



EN

FR

ES

CVA-1004

MOBILE MULTIMEDIA STATION

- **OWNER'S MANUAL**
Please read before using this equipment.
- **MODE D'EMPLOI**
Veuillez lire avant d'utiliser cet appareil.
- **MANUAL DE OPERACIÓN**
Léalo antes de utilizar este equipo.



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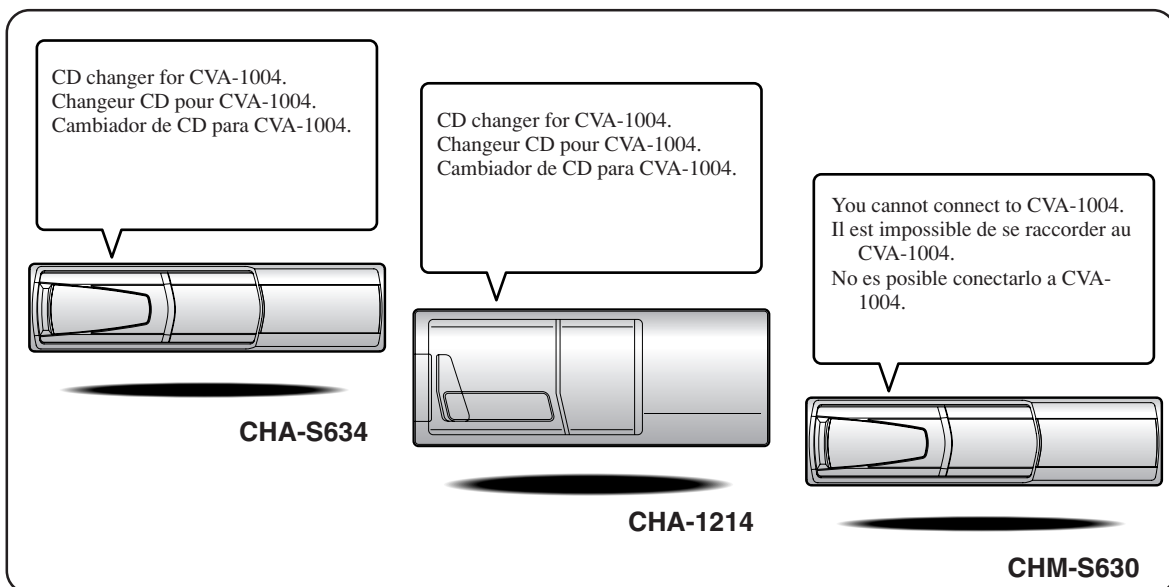
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Alpine CD Changers Give You More!

More musical selections, more versatility, more convenience.

An Alpine CD Changer adds more musical choices to your sound system. All models except CHM-S630 can be controlled from Alpine head units and deliver excellent sound quality. The CHA-S634 is a high-performance 6-disc changer with a new M DAC, Ai-NET compatibility, Optical Digital Output, 150 Disc Title Memory and CD TEXT. The CHA-1214 Ai-NET model holds 12 discs, and the CHM-S630 M-Bus model is a super-compact 6-disc changer.

Changeurs de CD Alpine : vous avez le choix!

Plus de sélections musicales, plus de souplesse, plus de confort.

Un changeur de CD Alpine permet d'augmenter la plage des sélections musicales de votre système embarqué. Tous les modèles, à l'exception du CHM-S630, peuvent être contrôlés à partir des autoradios Alpine et offrent une excellente qualité audio. Le modèle CHA-S634 est un changeur 6 disques ultra performant compatible Ai-NET et équipé d'un convertisseur N/A standard, d'une sortie optique numérique, d'une mémoire d'une capacité de 150 titres et de la fonction CD TEXT. Le modèle CHA-1214 Ai-NET peut contenir 12 disques. Le modèle CHM-S630 M-Bus est un changeur 6 disques super compact.

¡Los cambiadores Alpine de CD le ofrecen más!

Más selecciones musicales, más versatilidad y más ventajas.

Un cambiador Alpine de CD añade más opciones musicales a su equipo de sonido. Todos los modelos, excepto el CHM-S630, pueden controlarse desde las unidades principales de Alpine y proporcionar un sonido de calidad excepcional. El modelo CHA-S634 es un cambiador de 6 discos de alto rendimiento con el nuevo DAC "M" y compatibilidad con Ai-NET, salida digital óptica, memoria de títulos de 150 discos y TEXTO CD. El modelo CHA-1214 Ai-NET admite 12 discos y el modelo CHM-S630 Bus-M es un cambiador de 6 discos y tamaño reducido.

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LIMITED WARRANTY

WARNING

WARNING

**This symbol means important instructions.
Failure to heed them can result in serious
injury or death.**

INSTALL THE PRODUCT CORRECTLY SO THAT THE DRIVER CANNOT WATCH TV/VIDEO UNLESS THE VEHICLE IS STOPPED AND THE EMERGENCY BRAKE IS APPLIED.

It is dangerous (and illegal in many states) for the driver to watch TV/Video while driving a vehicle. Installing this product incorrectly enables the driver to watch TV/Video while driving. This may cause a distraction, preventing the driver from looking ahead, thus causing an accident. The driver or other people could be severely injured.

DO NOT WATCH VIDEO WHILE DRIVING.

Watching the video may distract the driver from looking ahead of the vehicle and cause an accident.

DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR VEHICLE.

Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.

KEEP THE VOLUME AT A LEVEL WHERE YOU CAN STILL HEAR OUTSIDE NOISE WHILE DRIVING.

Failure to do so may result in an accident.

MINIMIZE DISPLAY VIEWING WHILE DRIVING.

Viewing the display may distract the driver from looking ahead of the vehicle and cause an accident.

DO NOT DISASSEMBLE OR ALTER.

Doing so may result in an accident, fire or electric shock.

USE THIS PRODUCT FOR MOBILE 12V APPLICATIONS.

Use for other than its designed application may result in fire, electric shock or other injury.

USE THE CORRECT AMPERE RATING WHEN REPLACING FUSES.

Failure to do so may result in fire or electric shock.

DO NOT BLOCK VENTS OR RADIATOR PANELS.

Doing so may cause heat to build up inside and may result in fire.

DO NOT PLACE HANDS, FINGERS OR FOREIGN OBJECTS IN INSERTION SLOTS OR GAPS.

Doing so may result in personal injury or damage to the product.

KEEP SMALL OBJECTS SUCH AS BATTERIES OUT OF THE REACH OF CHILDREN.

Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.

(Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.

CAUTION

**This symbol means important instructions.
Failure to heed them can result in injury or
material property damage.**

HALT USE IMMEDIATELY IF A PROBLEM APPEARS.

Failure to do so may cause personal injury or damage to the product. Return it to your authorized Alpine dealer or the nearest Alpine Service Center for repairing.

KEEP FINGERS AWAY WHILE THE MOTORIZED FRONT PANEL OR MOVING MONITOR IS IN MOTION.

Failure to do so may result in personal injury or damage to the product.

WARNING

PRECAUTIONS

Temperature

Be sure the temperature inside the vehicle is between +45°C (+113°F) and 0°C (+32°F) before turning your unit on.

Maintenance

If you have problems, do not attempt to repair the unit yourself. Return it to your Alpine dealer or the nearest Alpine Service Station for servicing.

Installation Location

Make sure the CVA-1004 will not be installed in a location subjected to:

- Direct sun and heat
- High humidity and water
- Excessive dust
- Excessive vibrations

Handling the Detachable Front Panel

- Do not expose to rain or water.
- Do not drop or apply shock.

Operation of some of the functions of this unit is very complex. Because of this, it was deemed necessary to place these functions into a special screen. This will restrict operation of these functions to times when the vehicle is parked. This ensures the focus of the driver's attention will be on the road and not on the CVA-1004. This has been done for the safety of the driver and passengers.

The Title Input and SETUP screens cannot be made while the car is moving. The car must be parked and the parking brake must be engaged for the procedure described in the Owner's Manual to be valid. These operations are not possible while you are driving. Also if you attempt to drive during operation, the display will show the warning "CAN'T OPERATE WHILE DRIVING" for 5 seconds and then the operation mode will be canceled.

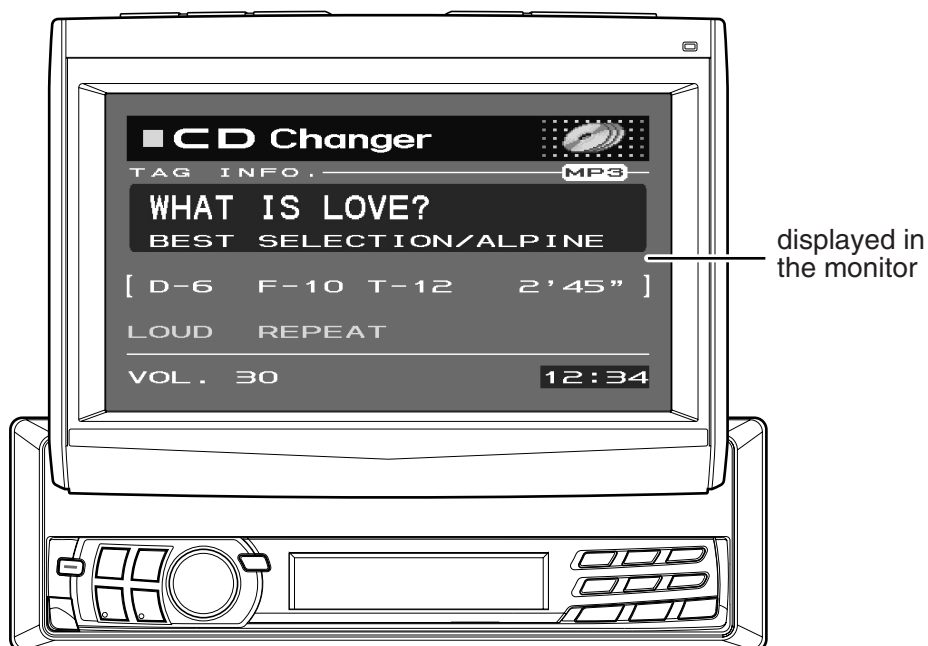
This operation is the same as when selecting sources using the remote control. When the car is parked, the selection is made as described in the Owner's Manual.

Alpine products equipped with the Ai-NET bus, connected to the CVA-1004, can be operated from the CVA-1004. Depending on the products connected, the functions and displays will vary. For details, consult your Alpine dealer.

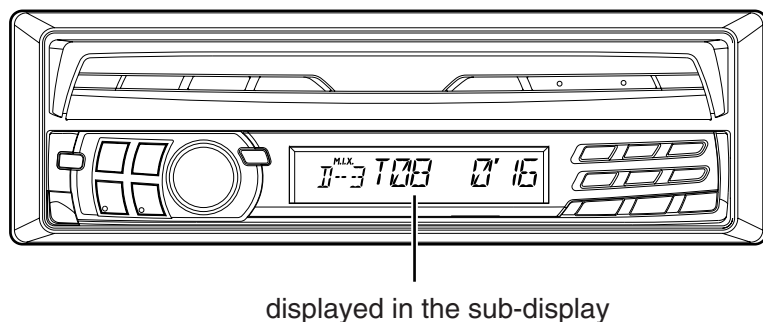
Introduction

You can operate most of the functions of this unit with the monitor open or closed (except some operations). For operations with the monitor closed, refer to page 41.

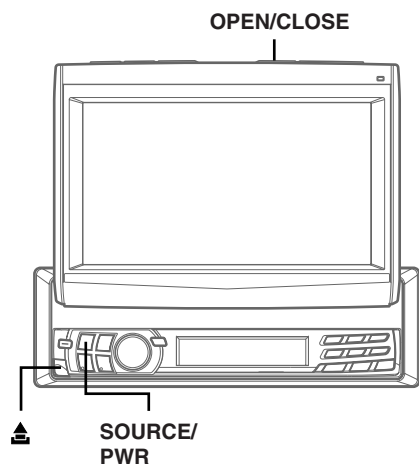
THE MONITOR IS OPEN




THE MONITOR IS CLOSED

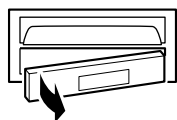


Basic Operation



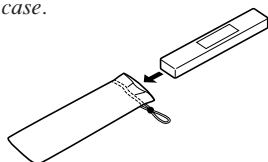
Detaching the Front Panel

- 1 Press and hold **SOURCE/PWR** (Power) for more than 2 seconds to turn off the power.
- 2 Press  (Release) at lower left side until the front panel pops out.
- 3 Grasp the left side of the front panel and pull it out.



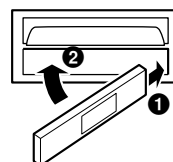
NOTES

- The front panel may become hot in normal usage (especially the connector terminals), this is not a malfunction.
- To protect the front panel, place it in the supplied carrying case.



Attaching the Front Panel

- 1 First, insert the right side of the front panel into the main unit. Align the groove on the front panel with the projections on the main unit.
- 2 Push the left side of the front panel until it locks firmly into the main unit.



NOTE

Before attaching the front panel, make sure that there is no dirt or dust on the connector terminals and no foreign object between the front panel and the main unit.

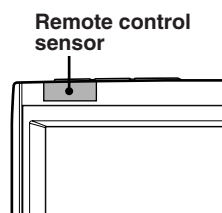
● Compatibility with Factory Steering Wheel Radio Controls

If your vehicle has steering wheel controls for the radio, an optional steering wheel control interface may be available to connect your Alpine radio. For details, contact your Alpine dealer.

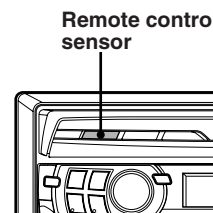
● Controllable with Remote Control

This unit can be controlled with an optional Alpine remote control. For details, consult your Alpine dealer.

Point the optional remote control transmitter at the remote control sensor.



When the monitor is open.

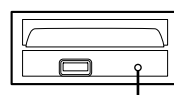


When the monitor is closed.

- You can use the remote control even when the monitor display is closed.
- **CVA-1004 is not compatible with MD, cassette tapes and a 3-disc changer.**

Initial System Start-Up

Immediately after installing or applying power to the unit, it should be initialized. To do this, first, remove the detachable front panel. Behind the front panel, to the right of the connector, there is a small hole. Using a pencil or other pointed object, press the reset switch mounted behind this hole to complete the initialization procedure.



RESET switch



Basic Operation



Turning Power On and Off

Some of this unit's functions, cannot be performed while the vehicle is in motion. Be sure to stop your vehicle in a safe location and apply the parking brake, before attempting these operations.

- 1 Press **SOURCE/PWR** (Power) to turn on the unit.

The opening screen appears automatically on the monitor.

NOTE

The unit can be turned on by pressing any other button except the **OPEN/CLOSE**, **TITLE**  and **TILT** .

The volume level gradually increases to the previous level you were listening to before the unit was turned off. Press and hold **SOURCE/PWR** (Power) for at least 2 seconds to turn off the unit.

NOTES

- After turning the system off, a slight ghost of the image will remain temporarily. This is an effect peculiar to LCD technology and is normal.
- Under cold temperature conditions, the screen may lose contrast temporarily. After a short warm-up period, it will return to normal.
- The CVA-1004 draws minimal current even when its power switch is turned off. If the switched power (ignition) lead of the CVA-1004 is connected directly to the positive (+) post of the vehicle's battery, the battery may be discharged. If this lead is unswitched, it must be disconnected from the battery post should the vehicle be left unused for an extended period of time.
An SPST (Single-Pole, Single-Throw) switch (sold separately) can be added to simplify this procedure. Then, you can simply place it in the OFF position when you leave the vehicle. Turn the SPST switch back ON before using the CVA-1004. For connecting the SPST switch, refer to "Connection Diagram of SPST Switch" on page 47.
- Some operation of the unit cannot be performed while the vehicle is in motion. In this case, be sure to first stop your vehicle and apply the parking brake, then perform the operation.

Raising the Monitor

- 1 Press **OPEN/CLOSE**, or press and hold **MUTE** on the optional Remote Control.
The unit beeps 3 times and raises the monitor automatically.

NOTES

- The CVA-1004 is a precision device. With gentle handling, its unique capabilities can be enjoyed for a long time.
- If the monitor touches an obstacle while it is being raised, the unit will stop raising the monitor immediately. Should this occur, remove the obstacle and press **OPEN/CLOSE** again to raise the monitor.
- When the movable monitor is opened, do not place any object on the monitor and be careful not to bump or apply any pressure to the monitor while it is open. This can cause damage to the mechanism.
- Under low ambient temperature conditions, the display may be dark for a short period of time immediately after the power is turned on. Once the LCD has warmed up, the display will return to normal.
- For your safety, some operation of the unit cannot be performed while the vehicle is in motion. In this case, first stop the vehicle and engage the parking brake, then perform the operation.
- If you select AUX or NAVI as the current source without connecting to the CVA-1004, a noise may occur when you open the monitor. This is not a malfunction.

Lowering the Monitor

- 1 Press **OPEN/CLOSE**, or press and hold **MUTE** on the optional Remote Control.
The unit will beep 3 times and lower the monitor automatically.

NOTES

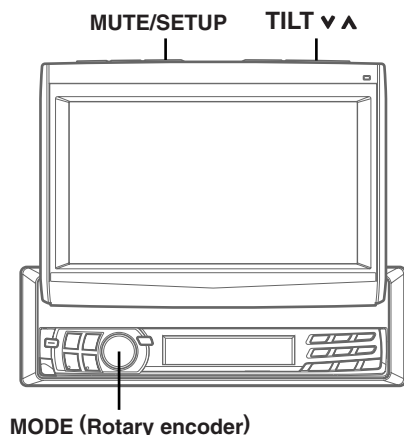
- The CVA-1004 is a precision device. With gentle handling, its unique capabilities can be enjoyed for a long time.
- If the monitor touches an obstacle while it is being lowered, the unit will stop lowering the monitor immediately.
Should this occur, remove the obstacle and press **OPEN/CLOSE** again to lower the monitor.
- If you select AUX or NAVI as the current source without connecting to the CVA-1004, a noise may occur when you close the monitor. This is not a malfunction.

Selecting the Monitor's Opening Position

The monitor's opening position has 2 settings.

- 1 Press and hold **OPEN/CLOSE** for at least 2 seconds while the monitor is being raised. Each press changes the monitor position back or forth.

Basic Operation



Adjusting the Monitor Viewing Angle

Adjust the monitor's angle for better visibility.

- 1 Press **TILT** ∇ \blacktriangle to adjust the monitor's angle so the screen will be in the best viewing position. Each press of the buttons produces a beep and changes the screen angle between about 40 and 105 degrees.
When you press and hold ∇ or \blacktriangle (TILT) for at least 2 seconds, the monitor's angle keeps moving until you release the button.

NOTES

- If the monitor touches an obstacle while the angle is being adjusted the unit will stop the screen immediately.
Should this happen, remove the obstacle and press **TILT** ∇ \blacktriangle again.
- The screen color will vary when viewed at certain angles. Adjust the screen angle for the best viewing position.
- If the voltage of the vehicle's battery power is low, the screen may blink when the screen angle is changed.
This is normal and not a malfunction.

CAUTION

Keep hands (or any other object) away from the display while it is opening or closing to avoid damage or injury. The back of the movable display will get very warm under normal operating conditions. This is not a malfunction. Do not touch.

Adjusting Volume/Balance (Between Left and Right)/Fader (Between Front and Rear)

- 1 Press **MODE (Rotary encoder)** repeatedly to choose the desired mode. Each press changes the modes as follows:

→ NAV^{*1} → SUB-W^{*2} → BAL → FAD → VOL →

Volume: 0~35
Balance: L15~R15
Fader: R15~F15
NAV.Level: 0~15
Subwoofer: 0~15

NOTE

- If the **Rotary encoder** is not turned in 5 seconds after selecting the **BALANCE**, **FADER**, **NAV. Level** or **SUBWOOFER** mode, the unit automatically returns to the **VOLUME** mode.

^{*1} When the **SUBWOOFER** mode is **OFF** (page 34), its level cannot be adjusted.

^{*2} When the **NAV.MIX** mode is **OFF** (page 20), its level cannot be adjusted.

- 2 Turn **MODE (Rotary encoder)** until the desired sound is obtained in each mode.

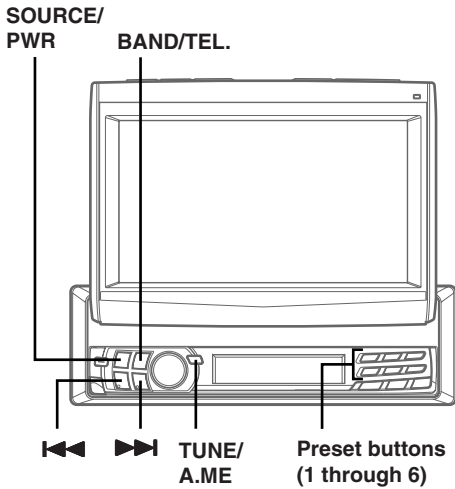
Audio Mute Function

Activating this function will instantly lower the volume level by 20 dB.

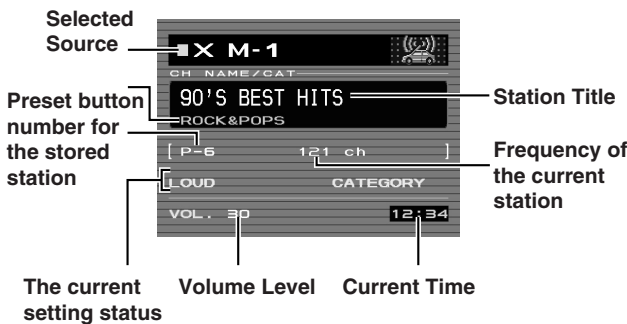
- 1 Press **MUTE/SETUP** to activate the **MUTE** mode. The audio level will decrease by about 20 dB.
Pressing **MUTE/SETUP** again will bring the audio back to its previous level.

Radio Operation

Automatic Seek Tuning



Example of Radio mode Screen



Manual Tuning

- 1 Press **SOURCE/PWR** until a radio band and frequency appears in the display.
- 2 Press **BAND/TEL.** repeatedly until the desired radio band is displayed.
Each press changes the band:

→ FM1 → FM2 → AM

- 3 Press **TUNE/A.ME** repeatedly until "DX SEEK" and "SEEK" disappear from the display.

NOTE

The initial mode is DX SEEK.

- 4 Press **◀◀** or **▶▶** to move downward or upward one step respectively until the desired station frequency is displayed.

NOTE

The **STEREO** indicator appears on the monitor when a Stereo FM station is tuned in.

- 1 Press **SOURCE/PWR** until a radio band and frequency appears in the display.
- 2 Press **BAND/TEL.** repeatedly until the desired radio band is displayed.
Each press changes the band:
→ FM1 → FM2 → AM
- 3 Press **TUNE/A.ME** to illuminate the DX and SEEK indicators in the display.
With the DX (Distance) mode activated, both strong and weak stations will be tuned in the Auto-Seek operation.
Press again to return to the local mode. The DX indicator will turn off and the SEEK indicator will remain illuminated. Now, only strong stations will be tuned.
- 4 Press **◀◀** or **▶▶** to automatically seek for a station downward or upward respectively.
The unit will stop at the next station it finds.
Press the same button again to seek the next station.

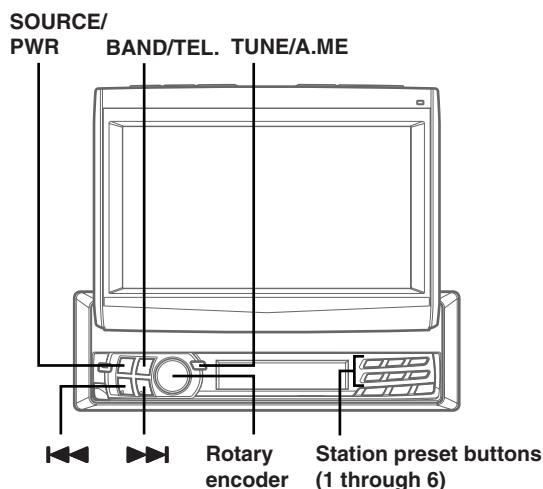
Manual Storing of Station Presets

- 1 Select the radio band and tune in a desired radio station you wish to store in the preset memory.
- 2 Press and hold (for at least 2 seconds) any one of the **preset buttons (1 through 6)**, into which you want to store the station. The selected station is stored. The display shows the band, preset No. and station frequency memorized.
- 3 Repeat the procedure to store up to 5 other stations onto the same band.
To use this procedure for other bands, simply select the band desired and repeat the procedure.
A total of 18 stations can be stored in the preset memory (6 stations for each band; FM1, FM2, AM.)

NOTE

If you store a station in a preset memory which already has a station, the current station will be cleared and replaced with the new station.

Radio Operation



Automatic Memory of Station Presets

- 1 Press **SOURCE/PWR** to select the radio mode.
- 2 Press **BAND/TEL.** repeatedly until the desired radio band is displayed.
- 3 Press and hold **TUNE/A.ME** for at least 2 seconds.
The frequency on the display continues to change while the automatic memory is in progress. The tuner will automatically seek and store 6 strong stations in the selected band. They will be stored into presets 1 to 6 buttons in order of signal strength.
When the automatic memory has been completed, the tuner goes to the station stored in the preset location No. 1.

NOTE

If no stations are stored, the tuner will return to the original station you were listening to before the auto memory procedure began.

Tuning to Preset Stations

- 1 Press **SOURCE/PWR** to select the radio mode.
- 2 Press **BAND/TEL.** repeatedly until the desired radio band is displayed.
- 3 Press the **station preset button** that has your desired radio station in memory.
The display shows the band, preset No. and frequency of the station selected.

Selecting a Station from the List

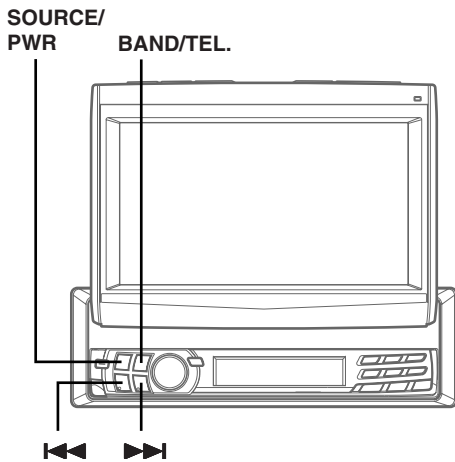
You can display the list of your titled stations (refer to "Titling Discs/Stations" on page 25), and select a station from this list.

- 1 When the monitor is open, press and hold the **Rotary encoder** for at least 2 seconds.
The title list is displayed.
- 2 Press **◀◀** or **▶▶** to select a station from the list.
- 3 Press the **Rotary encoder** to tune in the selected station.

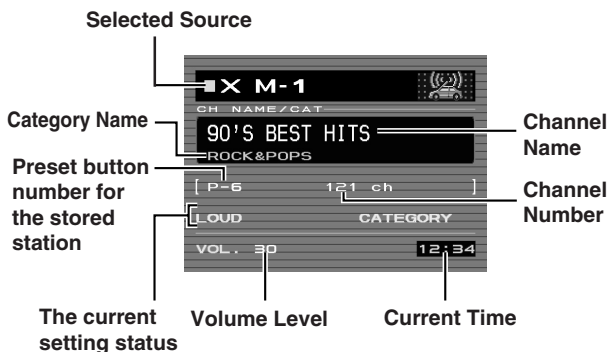
NOTE

*To cancel the title list display, press and hold the **Rotary encoder** for at least 2 seconds.*

XM Radio Operation (Optional)



Example of XM mode Screen



NOTES

- The controls on the CVA-1004 for XM Receiver operation are operative only when an XM Receiver is connected.
- The XM1, XM2 or XM3 band illuminates when in XM mode.

- 1 Press **SOURCE/PWR** to select XM mode.
- 2 Press **BAND/TEL.** to select XM1, XM2 or XM3.
Each press changes the band:
→ XM1 → XM2 → XM3
- 3 Press **◀◀** or **▶▶** to select the desired channel. Holding **◀◀** or **▶▶** will change channels continuously.

Checking the XM Radio ID Number

You need to provide XM with the unique XM Radio ID number for your XM Radio Receiver in order to subscribe to XM's programming.

This number is an 8 character alphanumeric number that is printed on a label directly on the XM Receiver.

It can also be displayed on the screen of the CVA-1004 in the following way.

- 1 While receiving XM1/XM2/XM3, press **◀◀** or **▶▶** to select channel "0."
- 2 The unit alternately displays "RADIO ID" and the number.
- 3 To cancel the ID number display, set the channel to other than "0."

NOTES

- You cannot use "O," "S," "I," or "F" for the ID Number.
- You can check your ID number printed on the label on the package of your XM Satellite Radio Receiver (TUA-T021XM).
- Perform this operation after selecting "CH No." in "Changing the Channel Select Method" (page 12).

Receiving the XM Channels with the XM Receiver (Optional)

XM Satellite Radio* is the next generation of audio entertainment, with up to 100 brand-new digital channels. For a small monthly fee, subscribers can hear crystal-clear music, sports, news and talk, coast-to-coast via satellite. For more information, visit XM's website at www.xmradio.com or call 1-800-852-9696.

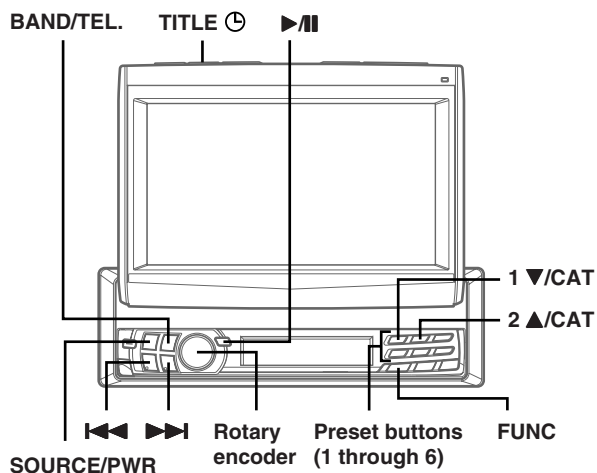
An optional XM Satellite Radio Receiver (TUA-T021XM) with an optional XM Antenna may be connected to the CVA-1004. With an XM Receiver connected to the Ai-NET input of the CVA-1004, the XM Receiver will be controllable from the CVA-1004.

* XM and its corresponding logos are trademarks of XM Satellite Radio Inc.

XM Radio Operation (Optional)

NOTE

If you store a channel in a used preset memory, the current channel will be cleared and replaced with the new one.



Receiving the Stored XM Channels

- 1 Press **SOURCE/PWR** to select the XM mode.
- 2 Press **BAND/TEL.** to select XM1, XM2 or XM3.
→ XM1 → XM2 → XM3 →
- 3 Press the **channel preset button** that has your desired satellite channel in memory.

Selecting a Channel by Category (Category Tuning)

Channels are divided into categories. Category Tuning allows you to search for a specific channel by its category.

- 1 In XM mode, press **FUNC** to select Category Tuning mode.
The currently received category is displayed and the "CATEGORY" (monitor) or "C" (sub-display) indicator is lit.
- 2 Press **1 ▼/CAT** or **2 ▲/CAT** to select the desired category.
The selected category is immediately received. Holding the button will continuously change the category.
- 3 To search for a channel, press **◀◀** or **▶▶** while your selected category is displayed.
The channels within the category are displayed in turn.
The selected channel is immediately received.

NOTE

If no operation is performed within 13 seconds, or **FUNC** is pressed, the unit returns to normal mode.

Changing the Channel Select Method

There are 2 ways to select a channel: either by channel number (numeric order) or by channel name (alphabetical order).

- 1 In XM mode, press and hold **▶/II** for at least 2 seconds.
Each press changes the display between "CH No." and "CH NAME" on the monitor.
 CH No : Arranging channels in numeric order.
 Press **◀◀** or **▶▶** to find the desired channel.
 CH NAME : Arranging channels in alphabetical order.
 Press **◀◀** or **▶▶** to find the desired channel.

Storing of XM Channel Presets

- 1 Press **SOURCE/PWR** to select the XM mode.
- 2 Press **BAND/TEL.** to select the desired band (XM1, XM2 or XM3) you want to store.
- 3 After tuning in the desired channel, press and hold (for at least 2 seconds) any one of the **preset buttons (1 through 6)** into which you want to store the channel. The selected channel is stored.
- 4 Repeat the procedure to store up to 5 other channels onto the same band.
To use this procedure for other bands, simply select the band desired and repeat the procedure.
A total of 18 channels can be stored in the preset memory (6 channels for each band; XM1, XM2 and XM3).

XM Radio Operation (Optional)

Displaying Category/Channel Name List

You can search for a channel while listening to the currently received channel. Categories or channel names are listed on the display to be selected.

- 1 When the monitor is opened in XM mode, press and hold the **rotary encoder** for at least 2 seconds.
The Category or Channel Name list is displayed. A triangle appears by the side of the currently received channel or category.

NOTE

The previously displayed list (for category or channel name) appears.

- 2 Press and hold **▶/||** for at least 2 seconds to switch the display between the Category list and Channel Name list.
- 3 Press **◀◀** or **▶▶** to select the desired category or channel.

When the Category list is displayed:

Select the desired category, and press and hold **▶/||** for at least 2 seconds. The Channel Name list for the selected category is displayed.

When the Channel Name list is displayed:

To select from other categories, press and hold **▶/||** for at least 2 seconds. The Category list is displayed.


- 4 Press the **rotary encoder** to receive your selected channel.

NOTES

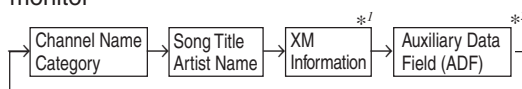
- Press the **rotary encoder** for at least 2 seconds to cancel displaying the list and return to normal mode.
- You can directly select the category while the Channel Name list is displayed. Press **FUNC** to activate Category Tuning mode, and then press **1 ▼/CAT** or **2 ▲/CAT** to select the category. The Channel Name list of the selected category is displayed.

Changing the Display


Text information, such as the channel name, artist name, and song/program title, is available with each XM channel. The unit can display this text information as explained below.

- 1 In XM mode, press **TITLE** .
Each time you press this button, the display changes as shown below.

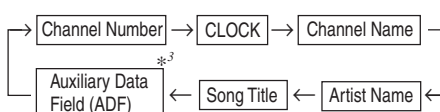
When the monitor is open: displayed in the monitor



*¹ Channel Name, Category, Song Title and Artist Name are displayed.

*² Displayed when the XM ADF is set to ON (page 34). To scroll to the next page, press and hold **TITLE**  for at least 2 seconds. When you select AUTO in "Scroll Setting" (page 31), the page is switched every 30 seconds.

When the monitor is closed: displayed in the sub-display

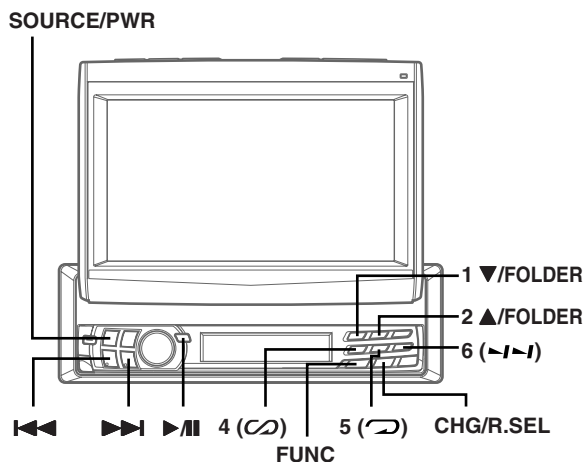


*³ Displayed when the XM ADF is set to ON (page 34).

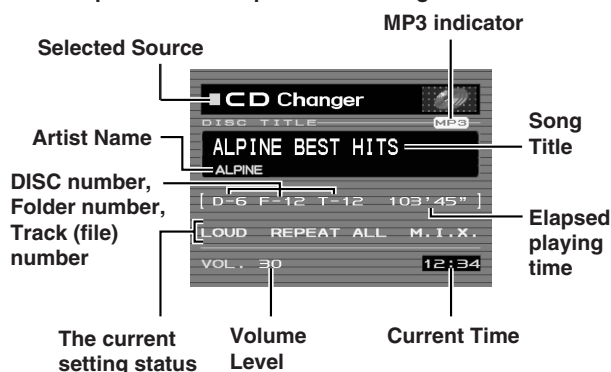
NOTES

- When The "Scroll Setting" (page 31) is set to "AUTO," the display scrolls.
When the "Scroll Setting" is set to "MANUAL," the display scrolls only when you operate the unit (POWER ON, BAND, etc., are displayed).
- "Channel Number" and "Clock" displays do not scroll.

CD/MP3/Changer Operation (Optional)



Example of MP3 compatible CD changer mode Screen



Playing Optional CD Player or Changer

When an optional Alpine CD player or CD/MP3 changer is connected, you can control it from the CVA-1004. This section describes operation assuming that an Alpine CD player is connected. (When a CD changer is connected, see page 16 to select your desired disc.)

You can directly select the CD Changer mode by pressing **CHG/R. SEL** (changer) on the CVA-1004.

- 1 Press **SOURCE/PWR** until the "CD" appears in the display. Insert a CD into the CD player, the player starts playing.

- 2 Press **◀◀** or **▶▶** to select the desired track(file).

Returning to the beginning of the current track(file) :
Press **◀◀**.

Fast backward :
Press and hold **◀◀**.

Advancing to the beginning of the next track(file) :
Press **▶▶**.

Fast forward :
Press and hold **▶▶**.

- 3 To pause playback, press **▶/||**. Pressing **▶/||** again will resume playback.

- 4 To eject the disc, press **eject** on the CD player.

Repeat Play

- 1 Press **5 (↶)** to play back repeatedly the track being played. The track(file) will be played repeatedly.

Press **5 (↶)** again and select OFF to deactivate the repeat play.

NOTES

- If a CD Changer or an MP3 compatible CD changer is connected and the RPT (REPEAT) ALL mode is selected, the unit repeatedly plays back all tracks on the disc selected.

Displayed in the monitor display:

→ REPEAT → REPEAT ALL → (off) →

Displayed in the sub-display:

→ RPT → RPT ALL → (off) →

- When you select "FOLDER" in the "Setting the Range of MP3 File Selection" section on page 17 and set to REPEAT ALL, the Files will be repeatedly played back.

When the monitor is open: displayed in the monitor

- In case a 6-disc CD changer or an MP3 compatible CD changer is connected:
In CD changer mode, press **FUNC** to light the "FUNC" indicator in red and go to step 1.
- In case a 12-disc CD changer is connected:
In changer mode, press **FUNC** twice to light the "FUNC" indicator in red and go to step 1.

When the monitor is closed: displayed in the sub-display

- In case a 6-disc CD changer or an MP3 compatible CD changer is connected:
In CD changer mode, press **FUNC** to illuminate the "FUNC" indicator and go to step 1.
- In case a 12-disc CD changer is connected:
In changer mode, press **FUNC** twice to illuminate the "FUNC" indicator and go to step 1.

CD/MP3/Changer Operation (Optional)

M.I.X. (Random Play)

- 1 Press **4** (**⏮**) in the play or pause mode. The tracks(files) on the disc will be played back in a random sequence. After all the tracks on the disc have been played back once, the player will begin a new random sequence play until the M.I.X. mode is canceled.

To cancel M.I.X. play, press **4** (**⏮**) again to turn off the M.I.X.

NOTES

- If a CD Changer equipped with the ALL M.I.X. function is connected, ALL M.I.X. will also be selectable.
In this mode, the tracks on all the CDs in the current magazine will be included in the random playback sequence.

→ M.I.X. → ALL M.I.X. → (off) →
- When you select "FOLDER ONLY" in the "Setting the Range of MP3 File Selection" (page 17), the files in the selected folder are played back in random sequence. After all the files have been played back, play does not shift to the next folder.

When the monitor is open: displayed in the monitor

- In case a 6-disc CD changer or an MP3 compatible CD changer is connected:
In CD changer mode, press **FUNC** to light the "FUNC" indicator in red and go to step 1.
- In case a 12-disc CD changer is connected:
In changer mode, press **FUNC** twice to light the "FUNC" indicator in red and go to step 1.

When the monitor is closed: displayed in the sub-display

- In case a 6-disc CD changer is connected:
In CD changer mode, press **FUNC** to illuminate the "FUNC" indicator and go to step 1.
- In case a 12-disc CD changer is connected:
In changer mode, press **FUNC** twice to illuminate the "FUNC" indicator and go to step 1.

Scanning Programs

- 1 Press **6** (**⏮**) to activate the Scan mode. The first 10 seconds of each track will be played back in succession.

To stop scanning, press **6** (**⏮**) and deactivate the Scan mode.

NOTES

- When you select "FOLDER" in the "Setting the Range of MP3 File Selection" (page 17), the first 10 seconds of each file in the selected folder will be played back.

When the monitor is open: displayed in the monitor

- In case a 6-disc CD changer or an MP3 compatible CD changer is connected:
In CD changer mode, press **FUNC** to light the "FUNC" indicator in red and go to step 1.
- In case a 12-disc CD changer is connected:
In changer mode, press **FUNC** twice to light the "FUNC" indicator in red and go to step 1.

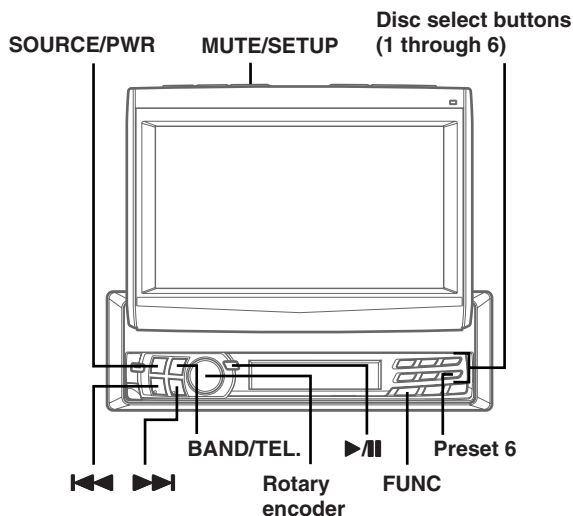
When the monitor is closed: displayed in the sub-display

- In case a 6-disc CD changer is connected:
In CD changer mode, press **FUNC** to illuminate the "FUNC" indicator and go to step 1.
- In case a 12-disc CD changer is connected:
In changer mode, press **FUNC** twice to illuminate the "FUNC" indicator and go to step 1.

Selecting Folders (concerning MP3)

- 1 Press **FUNC** to illuminate the "FUNC" indicator, and press **1▼/FOLDER** or **2▲/FOLDER** to select the folder.

CD/MP3/Changer Operation (Optional)



Controlling CD Changer

An optional 6-disc or 12-disc CD Changer may be connected to the CVA-1004 if it is Ai-NET compatible. With a CD Changer connected to the Ai-NET input of the CVA-1004, the CD Changer will be controllable from the CVA-1004. Using the KCA-400C (the Multi-Changer Switching device) or the KCA-410C (Versatile Link Terminal) multiple changers can be controlled by the CVA-1004. See the "Multi-Changer Selection" (page 17) for selecting the CD Changers.

NOTE

The controls on the CVA-1004 for CD Changer operation are operative only when a CD Changer is connected.

File/Folder Search (concerning MP3)

You can select an MP3 file from the file/folder name list and play back.

- 1 When the monitor is open in MP3 mode, press and hold the **Rotary encoder** for at least 2 seconds during playback. The unit switches to File/Folder Search mode, and the file/folder name list is displayed.

- 2 Press **◀◀** or **▶▶** to select the desired file or folder.

Press and hold **▶/||** for at least 2 seconds to select File Search or Folder Search.

When the folder name list is displayed:

If there are files in the folder, a triangle appears by the side of each folder name.

Select the desired folder and press and hold **▶/||** for at least 2 seconds to display file name list, and then press **◀◀** or **▶▶** to select the desired file.

When the file name list is displayed:

To search for other folders containing desired files, press and hold **▶/||** for at least 2 seconds to display the folder name list.

- 3 Press the **Rotary encoder** to execute the setting. The selected file, or the first file of the selected folder starts to play.

NOTE

During search, press and hold the **Rotary encoder** for at least 2 seconds to cancel the File Search mode.

- 1 Press **SOURCE/PWR** to activate the CD Changer mode. The display shows the disc number and track number.
- 2 Press the **disc select buttons (1 through 6)** corresponding to one of the discs loaded in the CD Changer. The selected disc number appears in the display and CD playback starts.

NOTES

- The source indicator varies depending on the connected source.
- Press **BAND/TEL.** to switch the Disc mode in the CD/Changer mode.
- After selecting the desired disc, you can operate in the same way as for the CD player. For details, please see elsewhere in this section.
- When the "FUNC" indicator is lit in red in the monitor, or is lit in the sub-display, the disc select buttons become nonfunctional.

When a 12-disc CD Changer is connected:

To select discs numbered from 1 to 6, the procedure is the same as for the 6-disc CD Changer. To select discs numbered from 7 to 12, first press **FUNC**. In the sub-display, this changes the "D" indicator to "d." The "FUNC" indicator is lit in yellow on the monitor. Then press the desired disc select button. With FUNC activated, the disc select buttons 1 to 6 will represent discs 7 to 12 respectively.

CD/MP3/Changer Operation (Optional)

Playing MP3 Files with the CD Changer

If you connect a changer compatible with MP3, you can play CD-ROMs, CD-Rs, and CD-RWs containing MP3 files.

- 1 Press **SOURCE/PWR** to switch to the CD Changer mode.
Disc Number, Folder Number, File Number and Elapsed Time are displayed.
- 2 Press any one of the **disc select buttons (1 through 6)** corresponding to one of the discs loaded in the CD Changer.
- 3 To pause playback, press **▶/II**.
Pressing **▶/II** again will resume playback.

Multi-Changer Selection

Alpine's Ai-NET system will support up to 6 CD Changers. When operating two or more changers, the KCA-400C (Multi-Changer Switching device) must be used. If you use 1 Switching device, you can connect up to 4 CD Changers. If you use 2 Switching devices, you can connect up to 6 CD Changers. When using KCA-410C (Versatile Link Terminal), you can connect two changers and two external outputs (AUX).

- 1 Press **SOURCE/PWR** on the CVA-1004 to activate the CD Changer mode.

Alternatively, press **SOURCE** on the Remote Control to activate the CD Changer mode.
Proceed to step 3 below to select the desired CD Changer.
- 2 Press **BAND/TEL**, or **BAND** on the Remote Control, to activate the CD Changer Selection mode.
- 3 The CD Changer Selection mode remains active for 3 seconds after step 2 is performed. Press **BAND/TEL**, or **BAND** on the Remote Control, until the desired CD Changer indicator appears on the display.

NOTE

If the selected CD Changer is not connected, the display will show "NO CHANGER."

- 4 To operate the selected changer, see elsewhere in this section.

NOTE

*If an optional CD/DVD player is connected to the unit, the disc mode can be switched each time you press **BAND/TEL**. (see "Switching Disc Mode" on page 38.)*

Setting the Range of MP3 File Selection

When an MP3 compatible CD changer is connected you can set the range of MP3 file selection to "entire disc contents" or "folder contents only."

After carrying out steps 1 to 3 of "To display the SETUP screen" (page 29), perform the operation shown below.

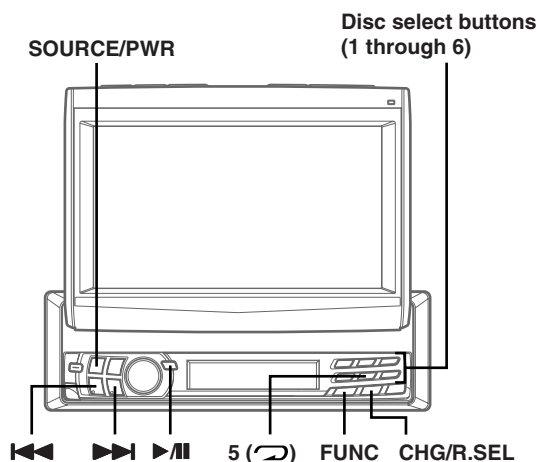
- 1 When the monitor is open, press and hold **MUTE/SETUP** for at least 2 seconds. The SETUP screen appears.
- 2 Press **preset 6** to activate the OTHER setting mode. Press **preset 6** again to select MP3 PLAY.
- 3 Press **◀◀** or **▶▶** to select ALL or FOLDER.

ALL :
plays all the files on one disc

FOLDER:
plays files in the selected folder only

For any other settings, press **preset 6** or another preset button.
- 4 After setting is completed, press **MUTE/SETUP** to return to normal mode.

DVD/Video CD/CD Player Operation (Optional)



NOTE

For automatic transmission vehicles, place the transmission lever in the Park position.

Now, the locking system for the DVD mode operation has been released. Unless the ignition key is turned OFF, the DVD mode can be activated by engaging only the parking brake. The steps above (1 through 3) are not necessary. Each time the ignition key is turned OFF, the above steps must be repeated.

NOTE

If you try to activate the DVD mode while driving, the warning-**PICTURE OFF FOR YOUR SAFETY** will be displayed in the monitor display.

- 1 Press **SOURCE/PWR** to select the DVD mode. Insert a disc into the DVD/video CD/CD player, the player starts playing.

Playing DVD/Video CD/CD

If an optional Alpine DVD/video CD/CD player is connected to the CVA-1004, you can control it from the CVA-1004.

⚠ WARNING

It is dangerous (and illegal in many states) for the driver to watch the TV/Video while driving the vehicle. The driver may be distracted from looking ahead and an accident could occur.

Install the CVA-1004 correctly so that the driver cannot watch TV/Video unless the vehicle is stopped and the emergency brake is applied.

If the CVA-1004 is not installed correctly, the driver will be able to watch the TV/Video while driving the vehicle and may be distracted from looking ahead causing an accident. The driver or other people could be severely injured.

To activate the DVD mode:

To watch a video source, your vehicle must be parked with the ignition key in the ACC or ON position. To do this, follow the procedure below.

1. Push the foot brake to bring your vehicle to a complete stop at a safe location. Engage the parking brake.
2. Keep pushing the foot brake and release the parking brake once then engage it again.
3. While the parking brake is being engaged the second time, release the foot brake.

Still/Pause

- 1 Press **▶/II** during DVD/video CD/CD play to freeze frame or pause. To resume normal play, press **▶/II** for a second time.

Chapter (DVD)/Track (Video CD) Sensor

- 1 Lightly press **◀◀** or **▶▶** during DVD/video CD/CD play to return to the beginning of the chapter/track being currently played or advance to the beginning of the next chapter/track respectively.

NOTE

The word "chapter or track" means a division of the recorded picture/sound on a DVD/video CD/CD respectively.

DVD/Video CD/CD Player Operation (Optional)

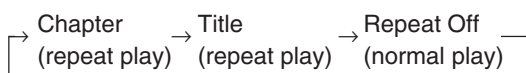
Fast Forward/Backward

- 1 Press and hold **◀◀** or **▶▶** during play to fast backward or forward respectively. Release the button when you reach the desired portion you wish to play. Playback starts from that portion.

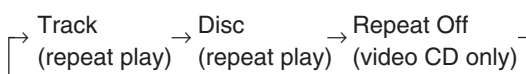
Repeat Play

- 1 Press **5** (**↺**) during play to repeatedly play the chapter/track or title/disc being currently played. Each press changes the repeat play as follows:

DVD:



Video CD/CD:



NOTES

- The track/disc repeat modes cannot be used on video CDs with playback control (PBC). Press "MENU" to turn the PBC function off. For more details, see the operating instructions of your DVD player or DVD changer.

When the monitor is open: displayed in the monitor

- In case a 6-disc DVD changer is connected:
In DVD changer mode, press **FUNC** to light in red the "FUNC" indicator and go to step 1.

When the monitor is closed: displayed in the sub- display

- In case a 6-disc DVD changer is connected:
In DVD changer mode, press **FUNC** to illuminate the "FUNC" indicator and go to step 1.

Controlling DVD Changer

If an optional Alpine DVD Changer is connected to the CVA-1004, the DVD Changer can be controlled from the CVA-1004.

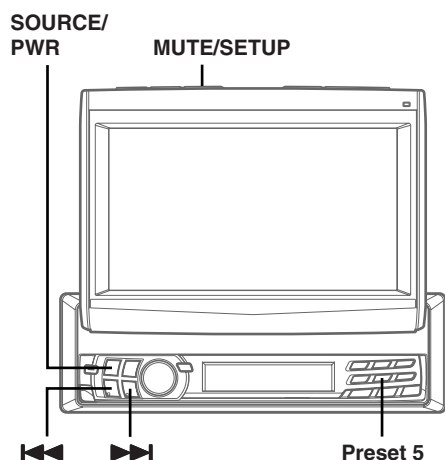
You can directly select the DVD Changer mode by pressing **CHG/R.SEL** (changer) on the CVA-1004.

- 1 Press **SOURCE/PWR**. The "DVD Changer" appears in the monitor.
"DVD CHG" is displayed in the sub-display.
- 2 Press the **disc select buttons (1 through 6)** corresponding to one of the discs loaded in the DVD changer.
Playback starts.

NOTES

- After selecting the desired disc, you can operate in the same way as for the DVD/Video CD/CD Player. For details please see elsewhere in this section.
- When the "FUNC" indicator is lit in red in the monitor, or is lit in the sub-display, the disc select buttons become nonfunctional.

Navigation System Operation (Optional)



Turning on the Navigation Mode

If an optional Alpine Navigation System is connected, the display shows the navigation screen.

- 1 Press **SOURCE/PWR** to select the Navigation mode.

NOTE

If the Navigation mode does not appear in the display by pressing **SOURCE/PWR**, set the external setting of NAV.IN to ON (refer to "Setting the External Input" on page 37.)

Interrupt Feature (NAV. MIX)

With an Alpine navigation system connected to the CVA-1004, the voice guidance of the navigation system will be mixed with the radio or CD audio, etc. You can also adjust the volume level of the voice guidance. If you use this unit connected to an external audio processor, you cannot use this function (except PXA-H700).

After carrying out steps 1 to 3 of "To display the SETUP screen" (page 29), perform the operation shown below.

- 1 When the monitor is open, press and hold **MUTE/SETUP** for at least 2 seconds. The SETUP screen appears.
- 2 Press **preset 5** to activate the SYSTEM setting mode. Press **preset 5** again to select NAV. MIX.

- 3 Press **◀▶** or **▶▶** to select ON or OFF.

ON: The volume level of the navigation system's voice guidance can be adjusted in 15 steps.

OFF: The navigation system's voice guidance is not output.

(For details about adjusting volume level, refer to "Adjusting Volume/Balance/Fader" on page 8.)

For any other settings, press **preset 5** or another preset button.

- 4 After setting is completed, press **MUTE/SETUP** to return to normal mode.

NOTES

- The volume level of the audio will be automatically reduced when the voice guidance of the Navigation system starts.
- When the voice guidance of the Navigation system starts to interrupt the audio, the display is automatically changed to the navigation screen.

Interrupt Feature (NAV. MIX OUT)

With an ALPINE navigation system connected to the CVA-1004, the navigation system's voice guidance is mixed in and output from the Rear/Subwoofer Output RCA connectors.

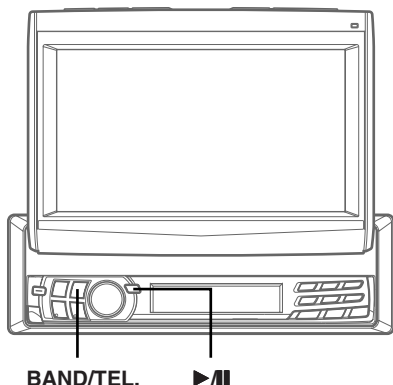
This function is not available when an external audio processor is connected.

After carrying out steps 1 to 3 of "To display the SETUP screen" (page 29), perform the operation shown below.

- 1 When the monitor is open, press and hold **MUTE/SETUP** for at least 2 seconds. The SETUP screen appears.
- 2 Press **preset 5** to activate the SYSTEM setting mode. Press **preset 5** again to select NAV. MIX OUT.
- 3 Press **◀▶** or **▶▶** to select ON or OFF.
Select ON to allow the navigation system's voice guidance to interrupt the external amplifier.
For any other settings, press **preset 5** or another preset button.
- 4 After setting is completed, press **MUTE/SETUP** to return to normal mode.

MobileHub™ Link Operation (Optional)

Telephone Mode On and Off



- 1 Press **BAND/TEL.** for at least 2 seconds.
See relevant pages for each item.

NOTES

- When a portable telephone is not connected, "NO PHONE" is displayed for at least 2 seconds, then the mode returns to the original source mode.
- When the portable telephone is taken off the Junction BOX during an incoming or outgoing call, or during a hands-free call, the call will be treated as an ordinary one by the portable telephone.
- When there is an incoming call while the power of CVA-1004 is OFF, the power of CVA-1004 will turn ON automatically for an ordinary call by the portable telephone, but not for a hands-free call.
- Even if the power of the portable telephone is OFF, when CVA-1004 is set to the telephone mode, the power of the portable telephone will be turned ON.
- Even if the ACC power of the vehicle is turned OFF (even if the engine is stopped) during a hands-free call, the call is not disconnected, and an ordinary call by the portable telephone is possible.
- If there is an incoming call during operation (except an outgoing call or talking), operation mode will end and switch to the incoming or talking mode.
- An outgoing call from a portable telephone is also possible. However, you cannot perform different operations at the same time from a portable telephone and CVA-1004 as malfunction can result.
- With a Junction BOX connected, outgoing and incoming history will also be recorded in the portable telephone.
- While telephoning, the setting of CVA-1004 automatically turns to DEFEAT ON.
- When the call has finished, the unit returns to your previous settings.
- The telephone volume can be adjusted from the CVA-1004. The volume you set during the call is memorized, and is automatically applied again on the next call.
- During a call, you can send dial tone signals 1 to 6 using **preset buttons 1 through 6**, and dial tone signals 7 to 9, 0, * and # by pressing **FUNC.** and then **preset buttons 1 through 6**.

About MobileHub™ Link

Connect a separately sold Junction Box and a portable telephone (available from Nokia) to control the incoming and outgoing calls of the portable telephone.

Functions that can be operated from CVA-1004

Incoming Calls	Outgoing Calls	Short Messages
Automatically receive	Call out (Speed Dial)	Display receiving history
Manually receive	Call out (phone book)	Display short message
Missed call announcement (information icon)	Call out (dialed)	Mail arrival announcement (information icon)
	Call out (received)	
	Call out (missed call)	

CAUTION

- Even with hands-free operation, a driver can be distracted during telephone operation or receiving a call. For the sake of safety, drivers are requested to refrain from operating the telephone while driving.
- For the sake of safety, operations other than incoming calls and Speed-Dial outgoing calls cannot be used.

NOTES

- If a portable telephone is connected, its address book, incoming and outgoing history, short message history and standardized sentences are downloaded to the Junction Box.
- Please refer to the instruction manual of the Junction BOX.

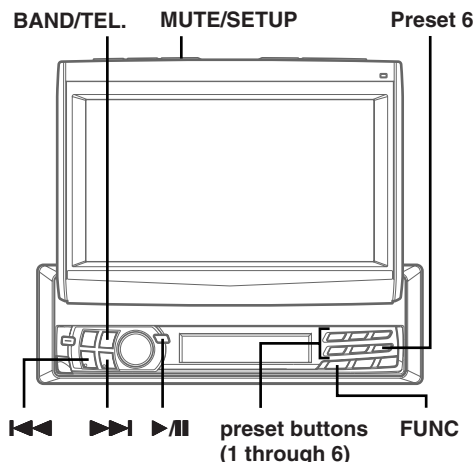
Incoming Calls

- 1 Press ►/|| to receive an incoming call.
- 2 Press and hold **BAND/TEL.** for at least 2 seconds to finish a call.
The telephone mode will end and return to the original source mode.

NOTES

- When the Automatic Calling mode is on, you can talk after 3 seconds of receiving the incoming call.
- To switch between automatic calling and manual calling, refer to "Setting the Call Receiving Method" (page 23).
- Press and hold **BAND/TEL.** for at least 2 seconds during an incoming call to disconnect it.
- You can call back by pressing ►/|| within 5 seconds after finishing a call.

MobileHub™ Link Operation (Optional)



Calling

The lists for Speed Dial, Phone Book, outgoing history, incoming history and incoming missed call history can be displayed. You can place a call by these lists.

■ Calling by using the Speed Dial

You can place a call by retrieving one of the telephone numbers registered in No. 1 to 9 of the address book.

- 1 Press and hold **BAND/TEL.** for at least 2 seconds to display "SPEED DIAL."
- 2 Press and hold (for at least 2 seconds) a **preset button (1 through 6)** to place a call. By pressing **FUNC**, and then pressing a **preset button (1 through 3)** for at least 2 seconds, you can place a call to the number registered in 7 to 9.

NOTE

You can place a call by pressing **>||** after momentarily pressing the **preset button (1 through 6)** of the number you wish to call.

- 3 Press and hold **BAND/TEL.** for at least 2 seconds to end the call. The telephone mode will end and return to the original source mode.

■ Calling by the Phone book

You can call up the Phone book registered in the portable telephone to call from.

- 1 Press and hold **BAND/TEL.** for at least 2 seconds.
- 2 Press **BAND/TEL.** to select "PHONE BOOK" (on the monitor) or "PHONE Bk" (on the sub-display). The names in the phone book are displayed in alphabetical order.
- 3 Press **<<** or **>>** to select the addressee from the phone book. To skip alphabetically to the next (or previous) set of name, press and hold **<<** or **>>** for at least 2 seconds.
- 4 Press **>||** to place a call when the monitor is closed. Or press **>||** twice when the monitor is open. At the first press, the name and telephone number of the addressee is displayed. Then the second press places the call.
- 5 Press and hold **BAND/TEL.** for at least 2 seconds to end the call. The telephone mode is canceled and returns to the original source mode.

■ Calling by the outgoing history

You can place a call to any of the last 999 dialed calls recorded in memory.

- 1 Press and hold **BAND/TEL.** for at least 2 seconds.
- 2 Press **BAND/TEL.** again repeatedly to select "DIALED."
- 3 Press **<<** or **>>** to select an addressee from the outgoing history. Press and hold **<<** or **>>** to change the addressee continuously.
- 4 Press **>||** to place a call when the monitor is closed. Or press **>||** twice when the monitor is open. At the first press, the name and telephone number of the addressee is displayed. Then the second press places the call.
- 5 Press and hold **BAND/TEL.** for at least 2 seconds to end the call. The telephone mode will end and return to the original source mode.

NOTE

You cannot use this function if there is not an outgoing history on the unit.

MobileHub™ Link Operation (Optional)

■ Calling by the incoming history

You can place a call to any of the last 999 received calls recorded in memory.

- 1 Press and hold **BAND/TEL.** for at least 2 seconds.
- 2 Press **BAND/TEL.** again repeatedly to select "RECEIVED."
- 3 Press **◀◀** or **▶▶** to select an addressee from the incoming history.
Press and hold **◀◀** or **▶▶** to change the addressee continuously.
- 4 Press **▶/II** to place a call when the monitor is closed.
Or press **▶/II** twice when the monitor is open. At the first press, the name and telephone number of the addressee is displayed. Then the second press places the call.
- 5 Press and hold **BAND/TEL.** for at least 2 seconds to end the call.
The telephone mode will end and return to the original source mode.

NOTE

You cannot use this function if there is not an incoming history on the unit.

■ Calling by the incoming missed call history

- 1 Press and hold **BAND/TEL.** for at least 2 seconds.
- 2 Press **BAND/TEL.** again repeatedly to select "MISSED."
- 3 Press **◀◀** or **▶▶** to select an addressee from the absent incoming history.
Press and hold **◀◀** or **▶▶** to change the addressee continuously.
- 4 Press **▶/II** to place a call when the monitor is closed.
Or press **▶/II** twice when the monitor is open. At the first press, the name and telephone number of the addressee is displayed. Then the second press places the call.
- 5 Press and hold **BAND/TEL.** for at least 2 seconds to end the call.
The telephone mode will end and return to the original source mode.

NOTE

You cannot use this function if there is not an incoming missed call history on the unit.

SMS (Short Message Service) Operation

You can receive short messages and display the contents.

- 1 All received messages are indicated by an icon (on the monitor) or "NEW MSG" (on the sub-display).
When the monitor is open, press and hold **BAND/TEL.** for at least 2 seconds.
- 2 Press **BAND/TEL.** again repeatedly until "SMS INBOX" is indicated and the list of received message is displayed.
- 3 Press **◀◀** or **▶▶** to select a message and then press **▶/II** to display the message content.
Press **▶/II** again to return to the list.
- 4 Press and hold **BAND/TEL.** for at least 2 seconds to return to the original source mode.

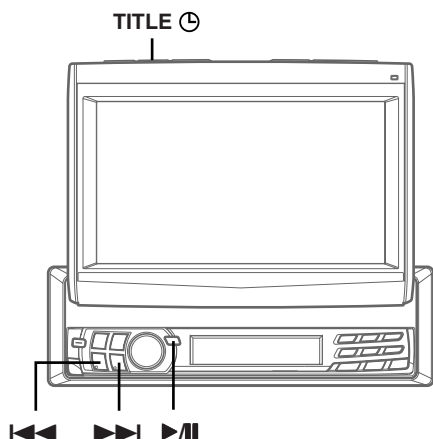
Setting the Call Receiving Method

Connecting to the Junction Box is necessary to set the call receiving method.

After carrying out steps 1 to 3 of "To display the SETUP screen" (page 29), perform the operation shown below.

- 1 When the monitor is open, press and hold **MUTE/SETUP** for at least 2 seconds. The SETUP screen appears.
- 2 Press **preset 6** to activate the OTHER setting mode. Press **preset 6** again to select TEL RECEIVE.
- 3 Press **◀◀** or **▶▶** to select AUTO or MANUAL.
AUTO:
The incoming call is automatically accepted after 3 seconds.
MANUAL:
The incoming call is manually accepted by pressing **▶/II**.
For any other settings, press **preset 6** or another preset button.
- 4 After setting is completed, press **MUTE/SETUP** to return to normal mode.

Other Useful Features



Displaying the Title/Text

It is possible to display the Disc/Station title if the title has been previously inputted. For details, see "Titling Discs/Stations" (page 25). Text information, such as the disc name and the track name, will be displayed if playing a CD text compatible disc. It is also possible to display the folder name, the file name, and the tag, etc. while playing MP3 files.

1 Press **TITLE** .

The mode will change every time the button is pressed.

About "Title" and "Text"

Title: With this device, it is possible to input the Disc/Station name (refer to page 25). This inputted name is referred to as a "title."

You cannot input or display titles on MP3 discs.

Text: Text compatible CDs contain text information such as the disc name and track name. Such text information is referred to as "text."



CD text disc mark indicates that the CD has text data.

However, some characters may not be displayed correctly.

Radio mode:

The monitor is open.

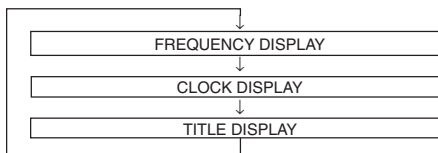
(displayed in the monitor)

TITLE DISPLAY

Radio mode:

The monitor is closed.

(displayed in the sub-display)

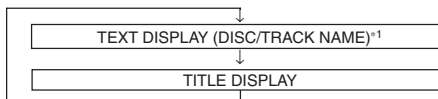


CD mode:

The monitor is open.

(displayed in the monitor)

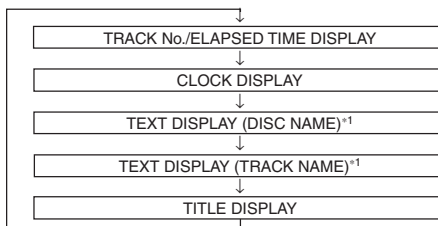
(Text is displayed for the CVA-1004 when a compatible changer with CD text is connected.)



CD mode:

The monitor is closed

(displayed in the sub-display).

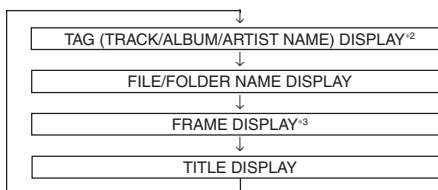


MP3 mode:

The monitor is open.

(displayed in the monitor)

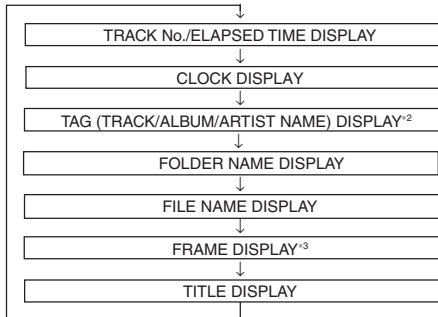
(MP3 files can be played back with the CVA-1004 if an MP3 compatible changer is connected.)



MP3 mode:

The monitor is closed.

(displayed in the sub-display)






*1 Displayed during playback of a disc with CD Text. When the CD contains no Text data, the monitor display will be blank or the sub-monitor will display "-----"

Other Useful Features

- *2 If an MP3 file contains ID3 tag information, all the ID3 tag information is displayed (e.g., track name, artist name, or album name). All other tag data is ignored.
"NO TAG" will be displayed if an MP3 file contains no ID3 tag information.
- *3 The recording sampling rate and bit rate of the MP3 file are displayed.

NOTES

- Some characters may not be displayed correctly with this device, depending on the character type.
- The CD changer must also be CD Text compatible for the Text information to be displayed.
- When the Scroll Setting (refer to page 31) is set to "MANUAL", press and hold **TITLE**  for at least 2 seconds to scroll the Text information, etc., only once.
- "NO SUPPORT" is displayed when the desired text information cannot be displayed on this unit.
- If the title was not previously input, the monitor display will be blank or the sub-monitor will display "-----"

- 1 When the monitor is open, press **TITLE**  and select the title display mode.
For details, see "Displaying the Title/Text" (page 24).
- 2 Press and hold the **TITLE**  for at least 2 seconds. The first character will blink.
- 3 Press **◀◀** or **▶▶** to select the desired letter/numeral/symbol available for naming.
- 4 Press **▶/||** to store the first character. The first character will stop blinking and the display will automatically advance to the next character. When that character begins to blink, you may choose the next letter or symbol of your title.
- 5 Repeat the steps 3 and 4 above to complete the titling. Pressing **▶/||** after entering the 8th character, automatically stores the title into memory.

When entering a title of less than 8 characters (for example, 3 character title):

After entering 3 characters to complete your title, the 4th character space will be blinking. Go to step 6 to complete the title.

- 6 Press **TITLE**  to record the title.

NOTES

- If you cancel while entering a title, selected characters are not written.
- You can enter 24 radio station titles on this unit. If you try to store beyond the limit, the display will show "MEMORY FULL" At this point, no more titles can be stored.
- The CD/DVD player or Changer memory capacity varies depending upon the model being used.
- To input a new title, one of the previously inputted titles must first be deleted.
- When you want to erase a title, enter a space into all spaces.
- The operations described in steps 3 to 5 must be made within 10 seconds. The input mode will be canceled if no action is taken for over 10 seconds.
- Removing power from the unit may delete station titles. Use caution when manipulating the power cord.

Titling Discs/Stations

It is possible to title your favorite discs or radio stations.

To activate the Title display mode:

To title a disc, your vehicle must be parked with the ignition key in the ACC or ON position. To do this, follow the procedure below.

1. Push the foot brake to bring your vehicle to a complete stop at a safe location. Engage the parking brake.
2. Keep pushing the foot brake and release the parking brake once then engage it again.
3. While the parking brake is being engaged the second time, release the foot brake.

NOTE

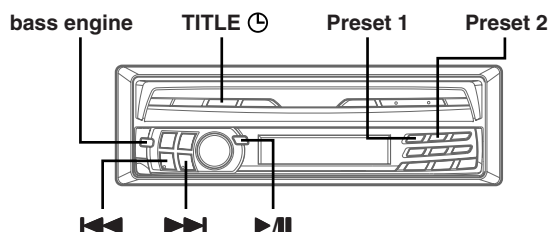
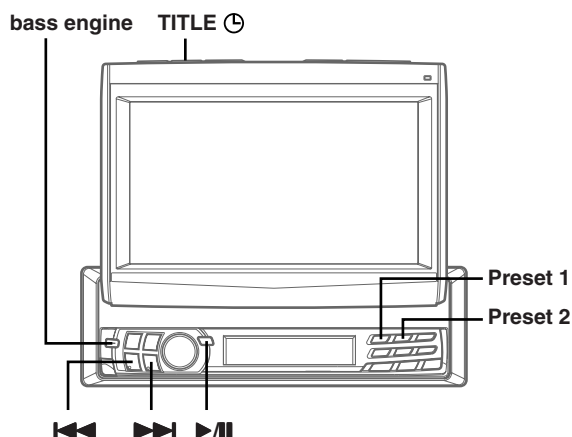
For automatic transmission vehicles, place the transmission lever in the Park position.

Now, the locking system for the Title display mode has been released. Unless the ignition key is turned OFF, the Title display mode can be activated by engaging only the parking brake. The steps above (1 through 3) are not necessary. Each time the ignition key is turned OFF, the above steps must be repeated.

NOTE

You cannot title discs/stations while you are driving. If you attempt to drive while titling, the display will show the warning "CAN'T OPERATE WHILE DRIVING" for 5 seconds and then the unit will return to normal mode.

Other Useful Features



Erasing Disc Title/Station Title

- 1 When the monitor is open, press **TITLE** to select the titling mode. Then, press and hold **TITLE** for at least 2 seconds.
- 2 Within 10 seconds, press and hold for at least 2 seconds to activate the title scanning mode.
The title in the display will blink.
- 3 Press or repeatedly until the title you want to erase is displayed.
- 4 Press and hold for at least 2 seconds to display "DELETE TITLE."
Press again within 10 seconds to erase the selected title.
- 5 Press **TITLE** to cancel the title erasing mode.

NOTES

- You cannot erase CD-TEXT.
- When no title is input, "NO DATA" is displayed and then the unit returns to the disc/station titling mode.

Setting the Bass Control

You can change the Bass Frequency emphasis to create your own tonal preference.

- 1 When the monitor is open, press **bass engine**.
BASS ENGINE mode is displayed in the monitor.
- 2 Press **preset 1** to select the desired mode.
- 3 Press or to adjust the selected mode.
 - Bass Level : -7~+7
You can emphasize or weaken the bass frequency.
 - Bass center frequency :

→ 60Hz ↔ 70Hz ↔ 80Hz ↔ 90Hz ↔ 100Hz ↔ 130Hz ↔ 150Hz ↔ 200Hz ←

Emphasizes the displayed Bass frequency ranges.

 - Bass Band Width (Q-Factor):

→ WIDE1 ↔ WIDE2 ↔ WIDE3 ↔ WIDE4 ←
 (Narrow) ←.....→ (Wide)

Changes the displayed frequency's band width to wide or narrow.
- 4 Press **bass engine** to return to normal mode.

NOTES

- If no buttons are pressed within 10 seconds, the Bass control setting will be turned off automatically.
- Depending on the type of external audio processors connected to the unit, you may not be able to set some settings.
- The settings of the Bass will be individually memorized for each source (FM, AM and CD) until the setting is changed. Depending on the connected devices, some functions and display indications do not work.

Other Useful Features

Operation with the monitor closed

You can set the Bass control with the monitor closed.

- 1 Press **bass engine**.
- 2 Press **preset 1**. BASS is displayed for 2 seconds in the sub-display, then the value of BASS Level blinks.
- 3 Each time you press **preset 1**, the blinking shifts.

Example of sub-display



- 4 Press **◀◀** or **▶▶** to adjust the selected mode.

Setting the Treble Control

You can change the Treble Frequency emphasis to create your own tonal preference.

- 1 When the monitor is open, press **bass engine**. BASS ENGINE mode is displayed in the monitor.
- 2 Press **preset 2** to select the desired mode.
- 3 Press **◀◀** or **▶▶** to adjust the selected mode.

Treble Level : -7~+7

You can emphasize the treble frequency.

Treble center frequency:

→ 10.0kHz ↔ 12.5kHz ↔ 15.0kHz ↔ 17.5kHz ←

Emphasizes the displayed Treble frequency ranges.

- 4 Press **bass engine** to return to normal mode.

NOTES

- If no buttons are pressed within 10 seconds, the Treble control setting will be turned off automatically.
- Depending on the type of external audio processors connected to the unit, you may not be able to set some settings.
- The settings of the Treble will be individually memorized for each source (FM, AM and CD) until the setting is changed. Depending on the connected devices, some functions and display indications do not work.

Operation with the monitor closed

You can set the Treble control with the monitor closed.

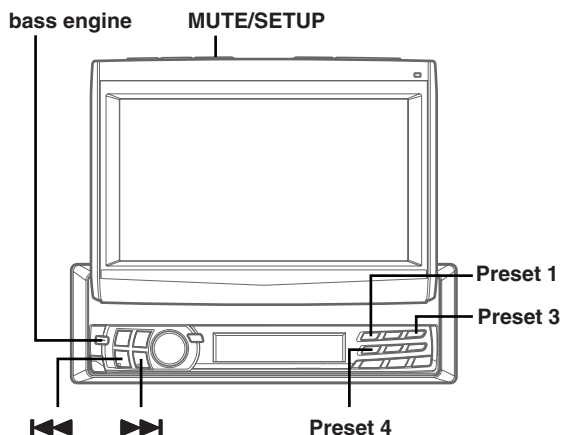
- 1 Press **bass engine**.
- 2 Press **preset 2**. TREBLE is displayed for 2 seconds in the sub-display, then the value of TREBLE Level blinks.
- 3 Each time you press **preset 2**, the blinking shifts.

Example of sub-display

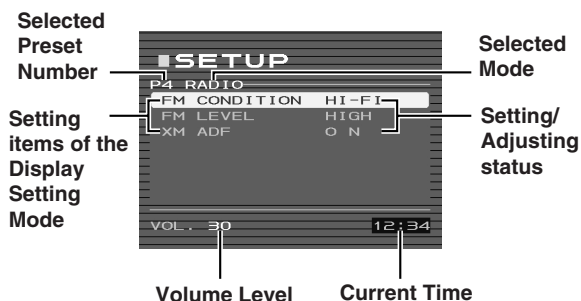


- 4 Press **◀◀** or **▶▶** to adjust the selected mode.

Other Useful Features



Example of SETUP. mode Screen



Switching Phase

Before switching Phase, select the Subwoofer ON (refer to "Subwoofer Control On and Off" on page 34).

- 1 Press **bass engine** to turn on the BASS ENGINE mode.
- 2 Press **preset 3** to select Subwoofer Phase mode.
- 3 Press **◀◀** or **▶▶** to switch the phase of the subwoofer output.
0° ↔ 180°

- 4 Press **bass engine** to return to normal mode.

NOTE

If no buttons are pressed within 10 seconds, the Switching Phase setting will be off automatically.

Turning Loudness On and Off

Loudness introduces a special low- and high-frequency emphasis at low listening levels. This compensates for the ear's decreased sensitivity to bass and treble sound.

- 1 Press **bass engine** to turn on the BASS ENGINE mode.
- 2 Press **preset 4** to select Loudness mode.
- 3 Press **◀◀** or **▶▶** to set LOUD to ON or OFF.
- 4 Press **bass engine** to return to normal mode.

NOTES

- When connecting an external audio processor to the unit, you cannot use this function.
- If no operation is performed within 10 seconds, the Loudness setting will be turned off automatically.

Turning Defeat Mode On and Off

When the defeat mode is on, the processor circuits are bypassed and the audio signals go directly to the line output. The equalizer curve, therefore, becomes flat.

- 1 Press and hold **bass engine** for at least 2 seconds. Each press toggles the DEFEAT setting between ON and OFF.

In the DEFEAT ON mode, any current adjustments are returned to their default settings as shown below.

DEFAULT:

Bass Level	: ± 0
Bass Center Freq.	: 80 Hz
Bass Band Width	: WIDE1
Treble Level	: ± 0
Treble Center Freq.	: 10.0 kHz
LOUD	: OFF

Other Useful Features

Illumination Control

To display the SETUP screen:

To display the Setup screen, your vehicle must be parked with the ignition key in the ACC or ON position. To do this, follow the procedure below.

1. Push the foot brake to bring your vehicle to a complete stop at a safe location. Engage the parking brake.
2. Keep pushing the foot brake and release the parking brake once then engage it again.
3. While the parking brake is being engaged the second time, release the foot brake.

NOTE

For automatic transmission vehicles, place the transmission lever in the Park position.

Now, the locking system for the SETUP screen operation has been released. Unless the ignition key is turned OFF, the SETUP screen can be activated by engaging only the parking brake. The steps above (1 through 3) are not necessary. Each time the ignition key is turned OFF, the above steps must be repeated.

Adjusting Brightness of Picture

After carrying out steps 1 to 3 of "To display the SETUP screen" (described on this page), perform the operation shown below.

- 1 When the monitor is open, press and hold **MUTE/SETUP** for at least 2 seconds. The SETUP screen appears.
- 2 Press **preset 1** to activate the DISPLAY setting mode. Press **preset 1** again to select BRIGHT.
- 3 Press **◀◀** or **▶▶** to make the picture darker or brighter. You can adjust the brightness between MIN (-16) and MAX (+16). When it reaches the minimum or maximum point, the display shows "MIN" or "MAX" respectively.

For any other settings, press **preset 1** or another preset button.

- 4 After setting is completed, press **MUTE/SETUP** to return to normal mode.

NOTE

The Brightness settings for the video sources (AUX/DVD/NAV.) will be individually memorized.

- 1 When the monitor is open, press and hold **MUTE/SETUP** for at least 2 seconds. The SETUP screen appears.
- 2 Press **preset 1** to activate the DISPLAY setting mode. Press **preset 1** again to select DIMMER.
- 3 Press **◀◀** or **▶▶** to set the Illumination control.

AUTO: In the Auto Dimmer mode, the backlighting of the monitor is dimmed when the instrument panel lighting of the vehicle is turned on (the dimmer input lead must be connected.)

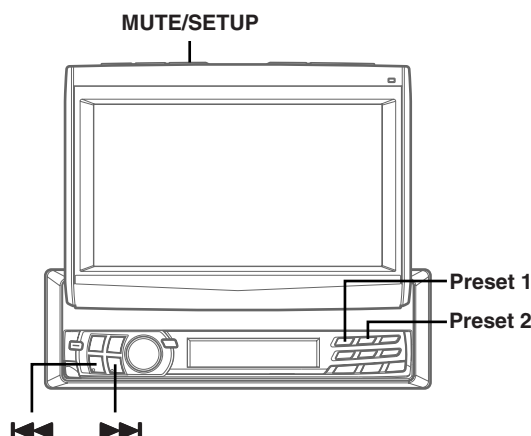
ON: Deactivate the Auto Dimmer mode and keep the backlighting low.

OFF: Keep the backlighting of the monitor bright.

For any other settings, press **preset 1** or another preset button.

- 4 After setting is completed, press **MUTE/SETUP** to return to normal mode.

Other Useful Features



Adjusting Color of Picture

Color adjustment can be made only to video sources (DVD, Navigation system, etc). Color adjustment cannot be made if a Navigation system with the RGB feature is connected.

After carrying out steps 1 to 3 of "To display the SETUP screen" (page 29), perform the operation shown below.

- 1 When the monitor is open, press and hold **MUTE/SETUP** for at least 2 seconds. The SETUP screen appears.
- 2 Press **preset 1** to activate the DISPLAY setting mode. Press **preset 1** again to select COLOR.
- 3 Press **◀◀** or **▶▶** to adjust the color between MIN (-16) and MAX (+16) until you get your desired color. When it reaches the minimum or maximum point, the display shows "MIN" or "MAX" respectively.
For any other settings, press **preset 1** or another preset button.
- 4 After setting is completed, press **MUTE/SETUP** to return to normal mode.

NOTE

The Color setting for the video sources (AUX/DVD/NAV.) will be individually memorized.

Adjusting Tint of Picture

Tint adjustment can be made only to video sources (DVD, Navigation system, etc).

Tint adjustment cannot be made if a Navigation system with the RGB feature is connected.

After carrying out steps 1 to 3 of "To display the SETUP screen" (page 29), perform the operation shown below.

- 1 When the monitor is open, press and hold **MUTE/SETUP** for at least 2 seconds. The SETUP screen appears.
- 2 Press **preset 1** to activate the DISPLAY setting mode. Press **preset 1** again to select TINT.
- 3 Press **◀◀** or **▶▶** to adjust the Tint (between -16 and +16). When it reaches the minimum or maximum point, display shows "R MAX" or "G MAX" respectively.
For any other settings, press **preset 1** or another preset button.
- 4 After setting is completed, press **MUTE/SETUP** to return to normal mode.

NOTE

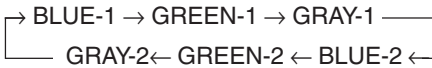
The TINT setting for the video sources (AUX/DVD/NAV.) will be individually memorized.

Other Useful Features

Setting the Background Screen Color (DAY/NIGHT)

The background color can be set differently for daytime use (DIMMER OFF) and nighttime use (DIMMER ON). (For details of Dimmer ON/OFF, refer to "Illumination Control" on page 29.)

After carrying out steps 1 to 3 of "To display the SETUP screen" (page 29), perform the operation shown below.

- 1 When the monitor is open, press and hold **MUTE/SETUP** for at least 2 seconds. The SETUP screen appears.
- 2 Press **preset 1** to activate the DISPLAY setting mode. Press **preset 1** again to select B.GND(DAY) or B.GND(NIGHT).
- 3 Press **◀◀** or **▶▶** to select the color.


For any other settings, press **preset 1** or another preset button.
- 4 After setting is completed, press **MUTE/SETUP** to return to normal mode.

Setting the Automatic Background Screen Color

When the Auto Background Screen Color is set to ON, turning the ignition key on and off changes the background screen color to blue, green or gray.

After carrying out steps 1 to 3 of "To display the SETUP screen" (page 29), perform the operation shown below.

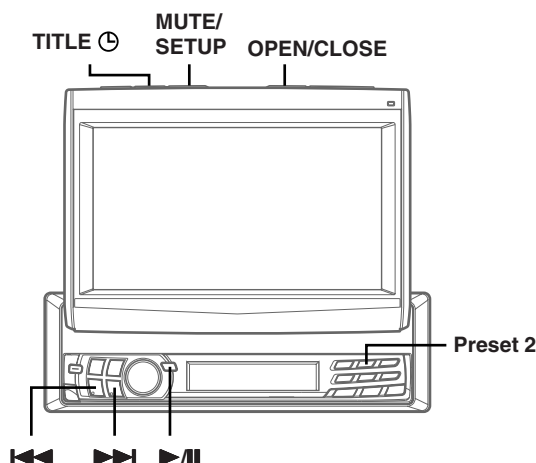
- 1 When the monitor is open, press and hold **MUTE/SETUP** for at least 2 seconds. The SETUP screen appears.
- 2 Press **preset 1** to activate the DISPLAY setting mode. Press **preset 1** again to select AUTO B.GND.
- 3 Press **◀◀** or **▶▶** to set ON or OFF.
For any other settings, press **preset 1** or another preset button.
- 4 After setting is completed, press **MUTE/SETUP** to return to normal mode.

Scroll Setting

After carrying out steps 1 to 3 of "To display the SETUP screen" (page 29), perform the operation shown below.

- 1 When the monitor is open, press and hold **MUTE/SETUP** for at least 2 seconds.
- 2 Press **preset 2** to select GENERAL Setting mode. Press **preset 2** to select SCROLL.
- 3 Press **◀◀** or **▶▶** and select AUTO or MANUAL.
AUTO: The display of CD text, title, etc., is scrolled continuously.
MANUAL: The display is scrolled only when a disc is loaded or when a track is changed, etc.
For any other settings, press **preset 1** or another preset button.
- 4 When the setting is completed, press **MUTE/SETUP** to return to normal mode.

Other Useful Features



Setting Automatic Opening/Closing of Monitor

You can set the monitor to open or close automatically or manually.

After carrying out steps 1 to 3 of "To display the SETUP screen" (page 29), perform the operation shown below.

- 1 When the monitor is open, press and hold **MUTE/SETUP** for at least 2 seconds. The SETUP screen appears.
- 2 Press **preset 2** to activate the GENERAL setting mode. Press **preset 2** again to select MONITOR O/C.

- 3 Press **◀◀** or **▶▶** to set the Auto Opening mode.

→ FULL ↔ CLOSE ↔ MANUAL ←

FULL:

The monitor automatically opens or closes when the ignition key is turned to ACC/ON or OFF.

CLOSE:

The monitor automatically closes when the ignition key is turned to OFF. The monitor opens manually when **OPEN/CLOSE** is pressed.

MANUAL:

Press **OPEN/CLOSE** to manually open or close the monitor.

For any other settings, press **preset 2** or another preset button.

- 4 After setting is completed, press **MUTE/SETUP** to return to normal mode.

Turning Sound Guide Function On or Off

The Sound Guide function will give audible feedback with a beep sound when a button on the unit is pressed to acknowledge the receipt of the signal from the button.

After carrying out steps 1 to 3 of "To display the SETUP screen" described on (page 29), perform the operation shown below.

- 1 When the monitor is open, press and hold **MUTE/SETUP** for at least 2 seconds. The SETUP screen appears.
- 2 Press **preset 2** to activate the GENERAL setting mode. Press **preset 2** again to select BEEP.
- 3 Press **◀◀** or **▶▶** to select ON or OFF.

ON: The unit beeps when a button is pressed.
OFF: No beep sound.

For any other settings, press **preset 2** or another preset button.

- 4 After setting is completed, press **MUTE/SETUP** to return to normal mode.


Other Useful Features

Setting the Clock Display

After carrying out steps 1 to 3 of "To display the SETUP screen" (page 29), perform the operation shown below.

- 1 When the monitor is open, press and hold **MUTE/SETUP** for at least 2 seconds. The SETUP screen appears.
- 2 Press **preset 2** to select GENERAL setting mode. Press **preset 2** again to select CLOCK DISP.
- 3 Press **◀◀** or **▶▶** to turn ON or OFF the clock display on the monitor.
For any other settings, press **preset 2** or another preset button.
- 4 After setting is completed, press **MUTE/SETUP** to return to normal mode.

Displaying Time

- 1 When the monitor is closed, press **TITLE**  repeatedly until the clock time is displayed in the sub-display.
- NOTES**
- Selecting any function while in the clock priority mode will interrupt the time display momentarily. The function selected will be displayed for about 5 seconds before the time returns to the display.
 - The clock time is not shown on both the monitor and the sub-display simultaneously.

Setting Time

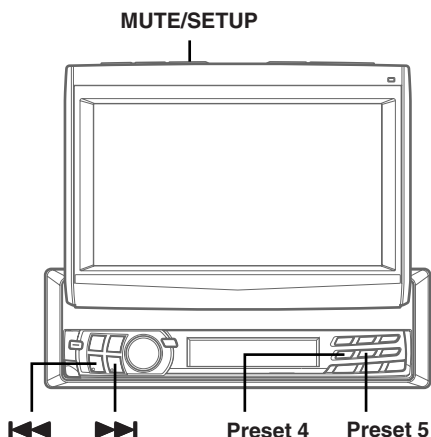
After carrying out steps 1 to 3 of "To display the SETUP screen" (page 29), perform the operation shown below.

- 1 When the monitor is open, press and hold **MUTE/SETUP** for at least 2 seconds. The SETUP screen appears.
- 2 Press **preset 2** to activate GENERAL setting mode. Press **preset 2** again to select CLOCK ADJ., then press **▶/||** or **◀◀/▶▶** to appear the clock adjusting menu.
- 3 Press **preset 2** to select HOUR. Then press **◀◀** or **▶▶** to adjust the hour.
- 4 Press **preset 2** to select MINUTE. Then press **◀◀** or **▶▶** to adjust the minutes.

To quickly set the time to the nearest hour, press **preset 2** to select MINUTE ZERO, then press **▶/||** or **◀◀/▶▶**.
If the minutes is ":30" or under, the hour is the current number. If the minutes is more than ":30", or If you set the minute to "00", the hour is moved up.

To return to the previous mode, press **preset 2** to select RETURN, then press **▶/||**, **◀◀** or **▶▶**.
- 5 After setting is completed, press **MUTE/SETUP** to return to normal mode.

Other Useful Features



Adjusting Source Signal Levels

If the difference in volume level between FM radio and other sources is too great, adjust the FM signal level as follows.

After carrying out steps 1 to 3 of "To display the SETUP screen" (page 29), perform the operation shown below.

- 1 When the monitor is open, press and hold **MUTE/SETUP** for at least 2 seconds. The SETUP screen appears.
- 2 Press **preset 4** to select the RADIO setting mode. Press **preset 4** again to select FM LEVEL.
- 3 Press **◀** or **▶** to select the FM signal level HIGH or LOW to make the signal levels between the FM band and other sources closer.
For any other settings, press **preset 4** or another preset button.
- 4 After setting is completed, press **MUTE/SETUP** to return to normal mode.

Setting the XM Auxiliary Data Field (ADF)

You can set the Auxiliary Data Field (ADF) display of the received channel.

After carrying out steps 1 to 3 of "To display the SETUP screen" (page 29), perform the operation shown below.

- 1 When the monitor is open, press and hold **MUTE/SETUP** for at least 2 seconds. The SETUP screen appears.
- 2 Press **preset 4** to activate the RADIO setting mode. Press **preset 4** again to select XM ADF.
- 3 Press **◀** or **▶** to select ON or OFF.
Select ON to display Auxiliary Data Field (ADF) in the XM mode (refer to "Changing the Display" on page 13).
For any other settings, press **preset 4** or another preset button.
- 4 After setting is completed, Press **MUTE/SETUP** to return to normal mode.

Subwoofer Control On and Off

After carrying out steps 1 to 3 of "To display the SETUP screen" (page 29), perform the operation shown below.

- 1 When the monitor is open, press and hold **MUTE/SETUP** for at least 2 seconds.
- 2 Press **preset 5** to set to the SYSTEM setting mode. Press **preset 5** again to select the SUBWOOFER mode.
- 3 Press **◀** or **▶** to select Subwoofer ON or OFF.
For any other settings, press **preset 5** or another preset button.
- 4 After setting is completed, press **MUTE/SETUP** to return to normal mode.

NOTES

- Initial mode is "SUBWOOFER ON."
- Set to "SUBWOOFER OFF" unless the subwoofer is used.
- When the subwoofer is turned on, the subwoofer output level can be adjusted. For more details, refer to the Adjusting Volume/Balance/Fader (page 8).

Other Useful Features

Switching the Tuner Mode

The CVA-1004 incorporates the MAX TUNE SQ for the highest quality tuner audio. Moreover, you can choose between three settings to suit your personal preferences.

After carrying out steps 1 to 3 of "To display the SETUP screen" (page 29), perform the operation shown below.

- 1 When the monitor is open, press and hold **MUTE/SETUP** for at least 2 seconds. The SETUP screen appears.
- 2 Press **preset 4** to activate the RADIO setting mode. Press **preset 4** again to select FM CONDITION.
- 3 Press **◀◀** or **▶▶** to select the desired setting.
NORMAL: Standard setting
HI-FI: Sound quality priority setting
STABLE: Noiseless priority setting

For any other settings, press **preset 4** or another preset button.
- 4 After setting is completed, press **MUTE/SETUP** to return to normal mode.

Turning Mute Mode On and Off

If an Alpine Ai-NET Auxiliary Input Adapter (KCA-801B) is connected to the CVA-1004, an Auxiliary Source will be allowed to interrupt the current audio source. For example, you can listen to a portable MP3 player through your car audio system even with a CD changer connected and playing. The CD changer will automatically mute when switched to the AUX Input. For further details on how to use the Alpine KCA-801B, see your authorized Alpine dealer.

After carrying out steps 1 to 3 of "To display the SETUP screen" (page 29), perform the operation shown below.

- 1 When the monitor is open, press and hold **MUTE/SETUP** for at least 2 seconds.
- 2 Press **preset 5** to activate the SYSTEM setting mode. Press **preset 5** again to select the IN-INT. MUTE mode.

- 3 Press **◀◀** or **▶▶** to select OFF.

In the mute OFF mode:

The volume level can be adjusted in the interrupt mode.

NOTE

When the mute ON mode is selected, sound will not produce.

For any other settings, press **preset 5** or another preset button.

- 4 After setting is completed, press **MUTE/SETUP** to return to normal mode.

NOTES

- Initial mode is "IN-INT. MUTE ON".
- The Auxiliary device being connected, must have an Interrupt wire with a positive trigger, for this function to operate automatically. Otherwise, a separate switch needs to be added to switch manually.

Setting the External Expansion Box

When using the optional expansion box (KCE-104V), you can use this function.

After carrying out steps 1 to 3 of "To display the SETUP screen" (page 29), perform the operation shown below.

- 1 When the monitor is open, press and hold **MUTE/SETUP** for at least 2 seconds. The SETUP screen appears.
- 2 Press **preset 5** to activate the SYSTEM setting mode. Press **preset 5** again to select EXPAND BOX.
- 3 Press **◀◀** or **▶▶** to set KCE-104V/OFF.
KCE-104V: When connecting the expansion box KCE-104V (not supplied).
OFF: When not connecting the expansion box KCE-104V (not supplied).

(Make sure that KCE-104V is selected when the KCE-104V is connected.)

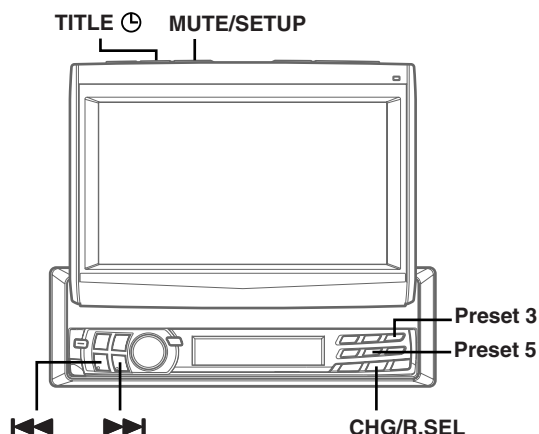
For any other settings, press **preset 5** or another preset button.

- 4 After setting is completed, press **MUTE/SETUP** to return to normal mode.

NOTE

The CVA-1004 is not compatible with the KCE-103V.

Other Useful Features



Rear Monitor Setting

The optional expansion box (KCE-104V) must be connected. If AUX/NAV. is turned ON (as shown in "Setting the External Input" on page 37), and a rear-seat monitor and navigation system are connected to the CVA-1004, the picture/sound for the rear-seat monitor can be selected from the CVA-1004.

There are two ways to set the Rear Monitor:

- by pressing R. SEL (short cut)
- by the SETUP screen

After carrying out steps 1 to 3 of "To display the SETUP screen" (page 29), perform the operation shown below.

■ Setting by R. SEL

- 1 When the monitor is open, press and hold **CHG/R.SEL** for at least 2 seconds, or press **REAR ON** on the optional Remote Control.
- 2 Press **CHG/R.SEL** to select MONITOR-1 OUT or MONITOR-2 OUT.

- 3 Press **◀** or **▶** to select the mode to display on the rear monitor.

AUX-1/AUX-2/AUX-3* :

The picture/sound of the device connected to Terminal AUX will be played on the rear-seat monitor.

* *AUX NAME set in the "Setting the External Input" (page 37) will be displayed.*

NAV. :

The navigation screen will be displayed on the rear-seat monitor and the voice guidance will be produced if the navigation system is connected.

SPE.ANA :

The SPE.ANA image is displayed when set to ON in "Displaying Spectrum Analyzer"(page 38).

OFF :

AUX OUT mode is canceled.

- 4 After setting is completed, press and hold **CHG/R.SEL** for at least 2 seconds to return to normal mode.

■ Setting by the SETUP screen

- 1 When the monitor is open, press and hold **MUTE/SETUP** for at least 2 seconds. The SETUP screen appears.
- 2 Press **preset 3** to activate the AUX setting mode. Press **preset 3** again to select MONITOR-1 OUT/MONITOR-2 OUT.
- 3 Press **◀** or **▶** to select the mode to display on the rear monitor.

For any other settings, press **preset 3** or another preset button.

- 4 After setting is completed, press **MUTE/SETUP** to return to normal mode.

NOTE

If a DVD player or DVD changer is connected to the AUX 1, AUX 2 or AUX 3 terminal, the DVD picture appears by performing steps 1 and 2 of "Simultaneous Operation" on page 39. Then, perform steps 1 to 4 on this page so the DVD picture and sound are output.

Other Useful Features

Setting the External Input

After carrying out steps 1 to 3 of "To display the SETUP screen" (page 29), perform the operation shown below.

- 1 When the monitor is open, press and hold **MUTE/SETUP** for at least 2 seconds. The SETUP screen appears.
- 2 Press **preset 3** to select the AUX setting mode. Press **preset 3** to select the desired external input, AUX IN or NAV.IN.
 - If the expansion box KCE-104V (not supplied) is connected and the unit is set to Expand Box KCE-104V (ON) (page 35), you can select AUX 1/AUX 2/AUX 3/NAV.IN.
- 3 Press **preset 3** to set AUX IN, NAV. IN, AUX NAME, SYNC MODE, and press **◀◀** or **▶▶** to select the desired setting.

When the expansion box is not connected

AUX IN: ON ↔ OFF

NAV.IN: ON ↔ OFF

When the expansion box is connected

AUX IN (AUX1/2): ON ↔ OFF

AUX IN (AUX3): → OFF ↔ ON ↔ CAMERA*1 ←

AUX NAME (example of when AUX1 is set):

→ AUX-1 ↔ DVD-1 ↔ VCR-1 ↔ GAME-1 ↔ TV-1 ←

SYNC MODE:

(adjusting the Visual Effect*2 display)

(Adjust when the Visual Effect display with the KCE-104V connected is not clear. The Visual Effect display can be distorted depending on the input picture from external devices.)



→ MODE 1 ↔ MODE 2 ↔ MODE 3 ←

NAV.IN: ON ↔ OFF

*1 Setting for rear camera:

With CAMERA selected in the AUX3 setting, the picture from the rear camera is displayed. Connect your vehicle's reverse lamp to the KCE-104V, to view the rear camera's image whenever the car is in Reverse gear (you can still listen to the currently selected source).

*2 Setting the Visual Effect mode:
The Visual Effect mode can be set when a video source (e.g. DVD) is selected in AUX1/AUX2/AUX3.

- 1 Press and hold **TITLE**  for at least 2 seconds. Each press toggles the setting between ON and OFF.
- 2 When Visual Effect is set to ON, press **TITLE**  to select the desired mode.

→ MODE1 ↔ MODE2 ↔ MODE3 ↔ MODE4 ←

MODE3 can be selected when 2 rear monitors are connected and the Rear monitor setting is ON (page 36).

NOTE

When AUX IN*3 (AUX1 IN*3,*4, AUX2 IN*4, AUX3 IN) and NAV.IN are set to ON, the EXTERNAL INPUT is displayed during the source and SIMUL switching.

*3 When a DVD player or DVD changer is connected, DVD player or DVD changer is displayed in the display.

*4 When more than two DVD players or DVD changers are connected, DVD player is displayed in AUX1 IN, and DVD changer is displayed in AUX2 IN.

For any other settings, press **preset 3** or another preset button.

- 4 After setting is completed, press the **MUTE/SETUP** to return to normal mode.

Setting Front/Rear/Subwoofer Preout of the External Expansion Box

You can use Front/Rear/Subwoofer Preout with the optional expansion box (KCE-104V). Set to ON to use KCE-104V preout.

After carrying out steps 1 to 3 of "To display the SETUP screen" (page 29), perform the operation shown below.

- 1 When the monitor is open, press and hold **MUTE/SETUP** for at least 2 seconds. The SETUP screen appears.
- 2 Press **preset 5** to activate the SYSTEM setting mode. Press **preset 5** again to select EXPAND PREOUT.
- 3 Press **◀◀** or **▶▶** to select ON or OFF.

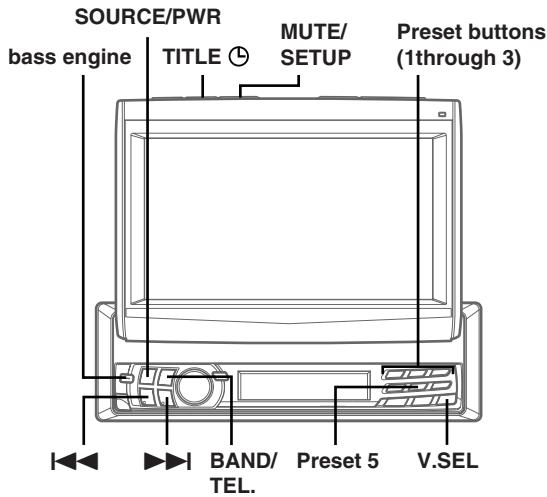
Select ON to use the preout (Front/Rear/Subwoofer) of the optional expansion box (KCE-104V).

For any other settings, press **preset 5** or another preset button.
- 4 After setting is completed, press **MUTE/SETUP** to return to normal mode.

CAUTION

Make sure that the preout of the external expansion box is set to OFF when using the CVA-1004 internal amplifier. Note that if the preout is set to ON, the volume level will be too high.

Other Useful Features



Displaying Spectrum Analyzer

When using the optional expansion box (KCE-104V), you can use this function.

After carrying out steps 1 to 3 of "To display the SETUP screen" (page 29), perform the operation shown below.

- 1** When the monitor is open, press and hold **MUTE/SETUP** for at least 2 seconds. The SETUP screen appears.
- 2** Press **preset 5** to activate the SYSTEM setting mode. Press **preset 5** again to select SPE.ANA.
- 3** Press **◀◀** or **▶▶** to select ON or OFF.
Set to ON, then press **V.SEL** to select the Spectrum Analyzer display (refer to "Simultaneous Operation" on page 39).

For any other settings, press **preset 5** or another preset button.
- 4** After setting is completed, press **MUTE/SETUP** to return to normal mode.

NOTE

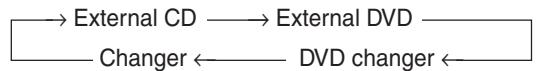
When an external Audio Processor is connected, Spectrum Analyzer is displayed only in AM or FM mode.

Switching Disc Mode

Use this function when connecting the optional CD/DVD player, changer.

- 1** Press **BAND/TEL.** to switch the Disc mode in the CD/DVD changer mode.

Example



Operating an External Audio Processor (Optional)

You can operate a connected external audio processor from the CVA-1004.

- 1** When an external audio processor is connected, press **bass engine** to activate Audio Processor mode.
- 2** Press a **preset button (1 through 3)** to select the desired function, and then **◀◀** or **▶▶** to adjust settings.

When the ERA-G310/ERA-G320/CDA-5755/PRA-H600/PXA-H510/PXA-H900 is connected

- preset 2:** Subwoofer phase control (NORMAL/ REVERSE)
- preset 3:** Recalling the stored settings (Preset 1 through 6)

When the PXA-H400 is connected

- preset 1:** Bass/Treble control (-7 ~ +7)
- preset 2:** Subwoofer phase control (NORMAL/ REVERSE)
- preset 3:** Recalling the stored settings (Preset 1 through 6)

When the PXA-H700 is connected

- preset 1:** Setting the MX mode (MX compatible sources only)
- preset 2:** Subwoofer phase control (NORMAL/ REVERSE)

- 3** Press **bass engine** to return to normal mode.

NOTE

For details about external audio processor operation, see the owner's manual of the external audio processor.

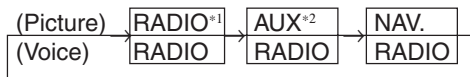
Simultaneous Operation

You can watch the video portion of another source while listening to current source.

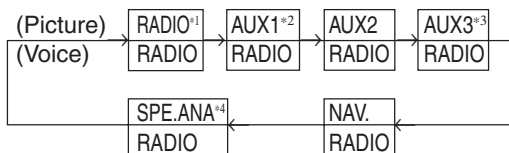
After carrying out steps 1 to 3 of "To display the SETUP screen" (page 29), perform the operation shown below.

1 Press **V.SEL** to select the video position.

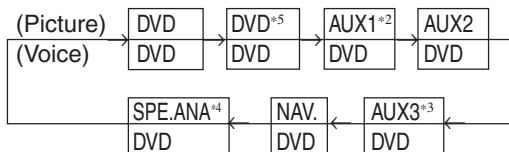
Example of when not connecting the expansion box:



Example 1 of when connecting the expansion box (KCE-104V):



Example 2 of when connecting the expansion box (KCE-104V):



*1 The source, band, frequencies, etc., are displayed.

*2 If a DVD player or DVD changer is connected, you can receive the DVD picture/sound.

DVD player (DVA-5200) is connected:

Press **FUNC** on the remote control supplied with the DVD player. The DVD picture and sound are output.

DVD player (DVA-5205) or DVD changer (DHA-S680) is connected:

Press and hold **V. OUT** on the remote control supplied with the DVD player or DVD changer for at least 2 seconds. The DVD picture and voice are output.

*3 When the KCE-104V and a rear camera are connected, the unit can receive the picture (refer to "Setting the External Input" on page 37).

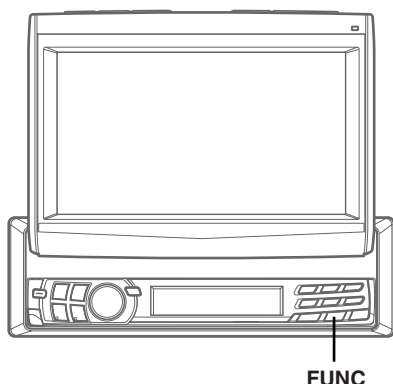
- *4 Set **SPE.ANA** to ON to select the **SPE.ANA** display (refer to "Displaying Spectrum Analyzer" on page 38). Press **TITLE** to select the desired **SPE.ANA** mode from 1 through 6 and **SCAN**.
- *5 The source, disc number, elapsed time, etc., are displayed.

NOTES

- When **AUX IN** (**AUX1**, **AUX2**, **AUX3**) and **NAV.IN** are set to ON, the **AUX** (**AUX1**, **AUX2**, **AUX3**) and **NAV.** mode is displayed (refer to "Setting the External Input" on page 37).
- To switch the sound source, press **SOURCE/PWR** during **SIMUL**. If the picture and the sound are from the same source, the **SIMUL** function is not canceled.

2 Press and hold **V.SEL** for at least 2 seconds to cancel the **SIMUL** function.

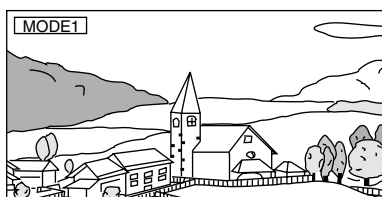
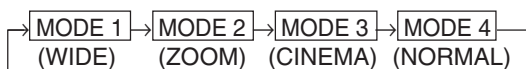
Other Useful Features



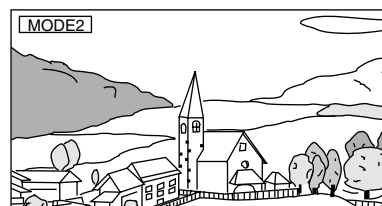
Switching Display Mode

After carrying out steps 1 to 3 of "To display the SETUP screen" (page 29), perform the operation shown below.

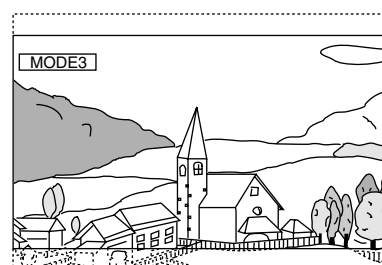
- 1 Press and hold **FUNC** for at least 2 seconds in the AUX mode.
Each press changes the display modes as follows:



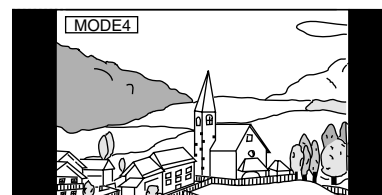
In the Mode 1 (Wide), the monitor displays a normal picture wider to fit in the wide-screen monitor by evenly stretching out the picture horizontally.



In the Mode 2 (Zoom), the monitor displays a normal picture wider to fit in the wide-screen monitor by unevenly stretching out. The center portion of the picture is stretched out only slightly in order to make the important center portion of the picture look natural.



In the Mode 3 (Cinema), the monitor displays a normal picture by stretching out the picture horizontally and vertically. This mode is good for displaying a cinema type picture with the proportion of 16 to 9.

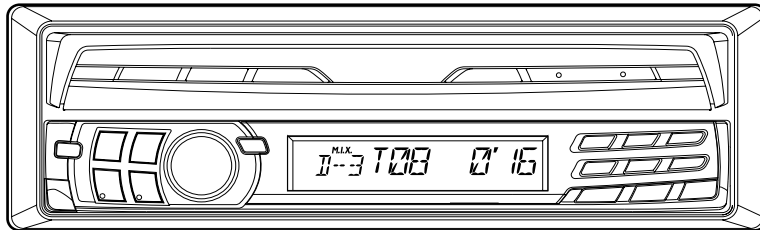


In the Mode 4 (Normal), the monitor displays normal picture at the center of the screen with a vertical black belt at each side.

Other Useful Features

Operation with the Monitor Closed

You can operate this unit with the monitor closed for the items below.



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Information

In Case of Difficulty

If you encounter a problem, please review the items in the following checklist. This guide will help you isolate the problem if the unit is at fault. Otherwise, make sure the rest of your system is properly connected or consult your authorized Alpine dealer.

Basic

No function or display.

- Vehicle's ignition is off.
 - If connected following instructions, the unit will not operate with the vehicle's ignition off.
- Improper power lead connections.
 - Check power lead connections.
- Blown fuse.
 - Check the fuse on the battery lead of the unit; replace with the proper value if necessary.
- Internal micro-computer malfunctioned due to interference noise etc.
 - Press the Reset switch with a ballpoint pen or other pointed article.
- Weak or no battery power.
 - Check battery.

No sound or unnatural sound.

- Incorrect setting of volume/balance/fader controls.
 - Readjust the controls.
- Connections are not properly or securely made.
 - Check the connections and firmly connect.

Screen not displayed.

- Brightness control is set at the minimum position.
 - Adjust the Brightness control.
- Temperature in the vehicle is too low.
 - Increase the vehicle's interior temperature to operation temperature range.
- Connections to the DVD/CD player, navigation system are not securely made.
 - Check the connections and firmly connect.

Movement of displayed picture is abnormal.

- Temperature in the vehicle is too high.
 - Allow the vehicle's interior temperature to cool.

Unclear or noisy display.

- Fluorescent plate is worn out.
 - Replace the fluorescent plate.

Navigation system inoperative.

- Connections with the navigation system are improper.
 - Check the connections with the navigation system and connect the cables correctly and firmly.

Unclear picture display.

- Fluorescent tube is exhausted.
 - Replace the fluorescent tube*.

* The fluorescent tube replacement is not free of charge even within the warranty period, for the tube is an article of consumption.

Radio

Unable to receive stations.

- No antenna or open connection in cable.
 - Make sure the antenna is properly connected; replace the antenna or cable if necessary.

Unable to tune stations in the seek mode.

- You are in a weak signal area.
 - Make sure the tuner is in the DX mode.
- If the area you are in is a primary signal area, the antenna may not be grounded and connected properly.
 - Check your antenna connections; make sure the antenna is properly grounded at its mounting location.
- The antenna may not be the proper length.
 - Make sure the antenna is fully extended; if broken, replace the antenna with a new one.

Broadcast is noisy.

- The antenna is not the proper length.
 - Extend the antenna fully; replace it if it is broken.
- The antenna is poorly grounded.
 - Make sure the antenna is grounded properly at its mounting location.
- The station signal is weak and noisy.
 - If above solution does not work, tune in another station.

Indication for XM Radio Mode

ANTENNA

- The XM antenna is not connected to the XM radio module.
 - Check whether the XM antenna cable is attached securely to the XM radio module.

UPDATING

- Radio is being updated with latest encryption code.
 - Wait until encryption code is being updated. Channels 0 and 1 should function normally.

NO SIGNAL (Monitor)

NO SIGNAL (Sub-display)

- XM signal is too weak at the current location.
 - Wait until the car reaches a location with a stronger signal.

LOADING

- Radio is acquiring audio or program information.
 - Wait until the radio has received the information.

OFF AIR

- The channel currently selected has stopped broadcasting.
 - Select another channel.

----- (Monitor)

---- (Sub-display)

- The user has selected a Channel Number that does not exist or is not subscribed to.
 - The unit will revert back to the previously selected channel.
- There is no artist name, song/program title, or Auxiliary Data Field associated with the channel at that time.
 - No action needed.

CAP IO

CAP NVM

(Displayed in place of Channel Name when the power is turned on.)

- The unit is out of order.
 - Consult your ALPINE dealer.

Indication for CD Changer

HI-TEMP (Monitor)

HI TEMP (Sub-display)

- Protective circuit is activated due to high temperature.
 - The indicator will disappear when the temperature returns to within operation range.

ERROR - 01

- Malfunction in the CD Changer.
 - Consult your Alpine dealer. Press the magazine eject button and pull out the magazine. Check the indication. Insert the magazine again. If the magazine cannot be pulled out, consult your Alpine dealer.
- Magazine ejection not possible.
 - Press the magazine eject button. If the magazine does not eject, consult your Alpine dealer.

ERROR - 02

- A disc is left inside the CD changer.
 - Press the EJECT button to activate the eject function. When the CD changer finishes the eject function, insert an empty CD magazine into the CD changer to receive the disc left inside the CD changer.

NO MAGAZINE (Monitor)

NO MAGZN (Sub-display)

- No magazine is loaded into the CD Changer.
 - Insert a magazine.

NO DISC

- No indicated disc.
 - Choose another disc.

Indication for Monitor

HI-TEMP (Monitor)

HI TEMP (Sub-display)

- Protective circuit is activated due to high temperature.
 - The indicator will disappear when the temperature returns to within operation range.

Information

Specifications

MONITOR SECTION

Screen Size	6.5"
LCD Type	Transparent type TN LCD
Operation System	TFT active matrix
Number of Picture Elements	280,800 pcs. (1,200 × 234)
Effective Number of Picture Elements	99.99% or more
Illumination System	U-shaped cold cathode fluorescent tube.

FM TUNER SECTION

Tuning Range	87.7 – 107.9 MHz
Mono Usable Sensitivity	9.3 dBf (0.8 μ V/75 ohms)
50 dB Quieting Sensitivity	13.5 dBf (1.3 μ V/75 ohms)
Alternate Channel Selectivity	80 dB
Signal-to-Noise Ratio	65 dB
Stereo Separation	35 dB
Capture Ratio	2.0 dB

AM TUNER SECTION

Tuning Range	530 – 1,710 kHz
Sensitivity (IEC Standard)	22.5 μ V/27 dB

GENERAL

Power Requirement	14.4 V DC (11–15 V allowable)
Operating temperature	+32°F to +113°F (0°C to +45°C)
Maximum Power Output	45 W × 4
Maximum Pre-Output Voltage	2 V/10 k ohms
Bass	±14 dB at 60 Hz
Treble	±14 dB at 10 kHz
Weight	2.1 kg (4 lbs. 10 oz)

CHASSIS SIZE

Width	178 mm (7")
Height	50 mm (2")
Depth	165 mm (6-1/2")

NOSEPIECE SIZE

Width	170 mm (6-3/4")
Height	47 mm (1-27/32")
Depth	28.5 mm (1/8")

NOTES

- Due to continuous product improvement, specifications and design are subject to change without notice.
- The LCD panel is manufactured using an extremely high precision manufacturing technology. Its effective pixel ratio is over 99.99%. This means that there is a possibility that 0.01% of the pixels could be either always ON or OFF.

Installation and Connections

Before installing or connecting the unit, please read the following and pages 3 and 4 of this manual thoroughly for proper use.

Warning

MAKE THE CORRECT CONNECTIONS.

Failure to make the proper connections may result in fire or product damage.

USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.

(Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.

BEFORE WIRING, DISCONNECT THE CABLE FROM THE NEGATIVE BATTERY TERMINAL.

Failure to do so may result in electric shock or injury due to electrical shorts.

DO NOT ALLOW CABLES TO BECOME ENTANGLED IN SURROUNDING OBJECTS.

Arrange wiring and cables in compliance with the manual to prevent obstructions when driving. Cables or wiring that obstruct or hang up on places such as the steering wheel, gear lever, brake pedals, etc. can be extremely hazardous.

DO NOT SPLICE INTO ELECTRICAL CABLES.

Never cut away cable insulation to supply power to other equipment. Doing so will exceed the current carrying capacity of the wire and result in fire or electric shock.

DO NOT DAMAGE PIPE OR WIRING WHEN DRILLING HOLES.

When drilling holes in the chassis for installation, take precautions so as not to contact, damage or obstruct pipes, fuel lines, tanks or electrical wiring. Failure to take such precautions may result in fire.

DO NOT USE BOLTS OR NUTS IN THE BRAKE OR STEERING SYSTEMS TO MAKE GROUND CONNECTIONS.

Bolts or nuts used for the brake or steering systems (or any other safety-related system), or tanks should NEVER be used for installations or ground connections. Using such parts could disable control of the vehicle and cause fire etc.

KEEP SMALL OBJECTS SUCH AS BOLTS OR SCREWS OUT OF THE REACH OF CHILDREN.

Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

DO NOT INSTALL IN LOCATIONS WHICH MIGHT HINDER VEHICLE OPERATION, SUCH AS THE STEERING WHEEL OR GEARSHIFT.

Doing so may obstruct forward vision or hamper movement etc. and results in serious accident.

Caution

HAVE THE WIRING AND INSTALLATION DONE BY EXPERTS.

The wiring and installation of this unit requires special technical skill and experience. To ensure safety, always contact the dealer where you purchased this product to have the work done.

USE SPECIFIED ACCESSORY PARTS AND INSTALL THEM SECURELY.

Be sure to use only the specified accessory parts. Use of other than designated parts may damage this unit internally or may not securely install the unit in place. This may cause parts to become loose resulting in hazards or product failure.

ARRANGE THE WIRING SO IT IS NOT CRIMPED OR PINCHED BY A SHARP METAL EDGE.

Route the cables and wiring away from moving parts (like the seat rails) or sharp or pointed edges. This will prevent crimping and damage to the wiring. If wiring passes through a hole in metal, use a rubber grommet to prevent the wires insulation from being cut by the metal edge of the hole.

DO NOT INSTALL IN LOCATIONS WITH HIGH MOISTURE OR DUST.

Avoid installing the unit in locations with high incidence of moisture or dust. Moisture or dust that penetrates into this unit may result in product failure.

Precautions

- Be sure to disconnect the cable from the (-) battery post before installing your CVA-1004. This will reduce any chance of damage to the unit in case of a short-circuit.
- Be sure to connect the color coded leads according to the diagram. Incorrect connections may cause the unit to malfunction or damage to the vehicle's electrical system.
- When making connections to the vehicle's electrical system, be aware of the factory installed components (e.g. on-board computer). Do not tap into these leads to provide power for this unit. When connecting the CVA-1004 to the fuse box, make sure the fuse for the intended circuit of the CVA-1004 has the appropriate amperage. Failure to do so may result in damage to the unit and/or the vehicle. When in doubt, consult your ALPINE dealer.
- The CVA-1004 uses female RCA-type jacks for connection to other units (e.g. amplifier) having RCA connectors. You may need an adaptor to connect other units. If so, please contact your authorized ALPINE dealer for assistance.
- Be sure to connect the speaker (-) leads to the speaker (-) terminal. Never connect left and right channel speaker cables to each other or to the vehicle body.

IMPORTANT

Please record the serial number of your unit in the space provided below and keep it as a permanent record. The serial number plate is located on the bottom of the unit.

SERIAL NUMBER: _____
INSTALLATION DATE: _____
INSTALLATION TECHNICIAN: _____
PLACE OF PURCHASE: _____

Installation and Connections

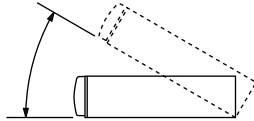
Installation

3

Installing the Monitor

• Location

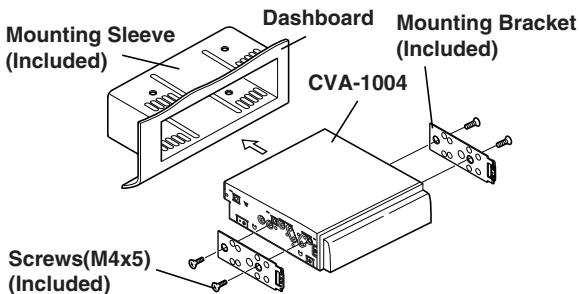
Before final installation, make sure the display will not hamper gear shifting when it is opened and closed in the chosen location.



NOTE

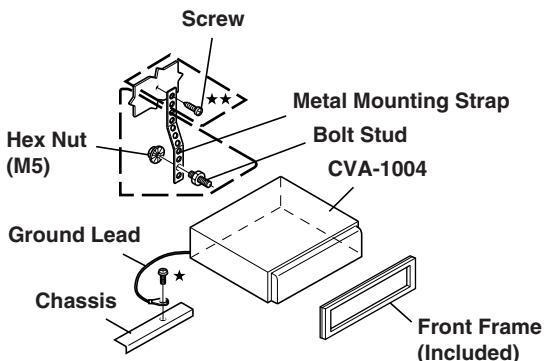
Install at an angle within 30 degrees from horizontal.

1



Slide mounting sleeve from main unit (see Removal Procedure below). Slide the mounting sleeve into the dashboard. Install the supplied bracket to the monitor.

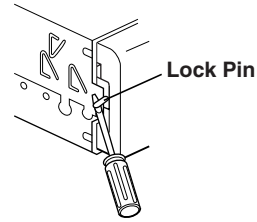
2



Reinforce the monitor with the metal mounting strap (not supplied). Secure the ground lead of the unit to a clean metal spot using a screw (★) already attached to the vehicle's chassis.

NOTE

For the screw marked ★★, use an appropriate screw for the chosen mounting location.



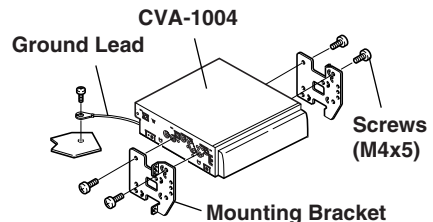
Slide the CVA-1004 into the dashboard. When the unit is in place, make sure the locking pins are fully seated in the down position. This can be done by pressing firmly in on the unit while pushing the locking pin down with a small screwdriver. This ensures that the unit is properly locked and will not accidentally come out from the dashboard. Install the Supplied Front Frame.

Removal

- 1 Use a small screwdriver (or similar tool) to push the locking pins to the "up" position (see above drawing). As each pin is unlocked, gently pull out on the unit to make sure it does not re-lock before unlocking the second pin.
- 2 Pull the unit out, keeping it unlocked as you do so.

<JAPANESE CAR>

Installation using the vehicle's factory brackets.



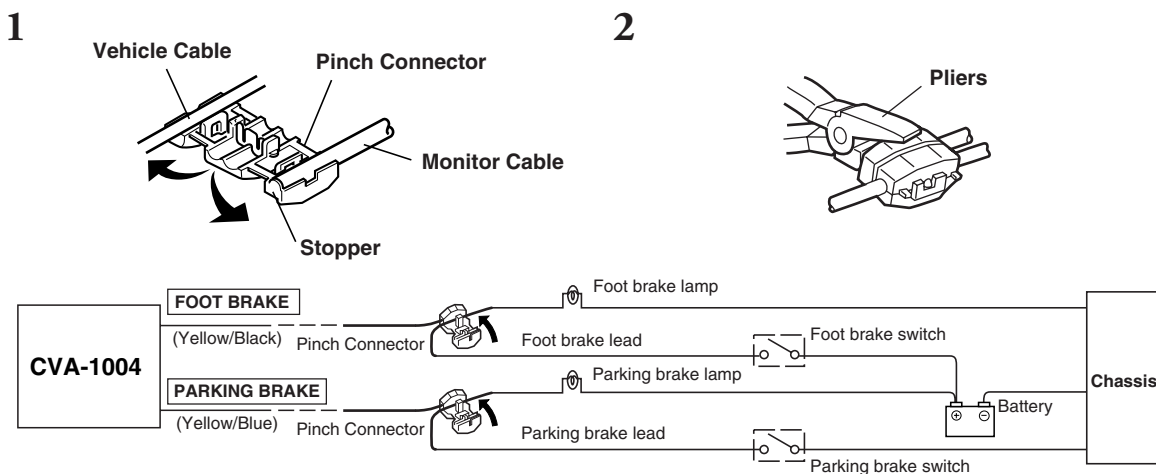
Installation and Connections

To prevent external noise from entering the audio system.

- Locate the unit and route the leads at least 10 cm away from the car harness.
- Keep the battery power leads as far away from other leads as possible.
- Connect the ground lead securely to a bare metal spot (remove any paint, dirt or grease if necessary) of the car chassis.
- If you add an optional noise suppressor, connect it as far away from the unit as possible. Your Alpine dealer carries various noise suppressors, contact them for further information.
- Your Alpine dealer knows best about noise prevention measures so consult your dealer for further information.

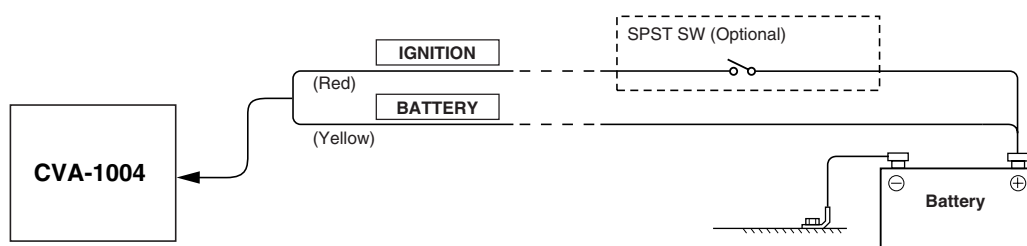
Foot Brake Lead/Parking Brake Lead Connection

If necessary, use a pinch connector to connect the foot brake lead, parking brake lead, etc.



Connection Diagram of SPST Switch (Sold Separately)

(If the ACC power supply is not available)

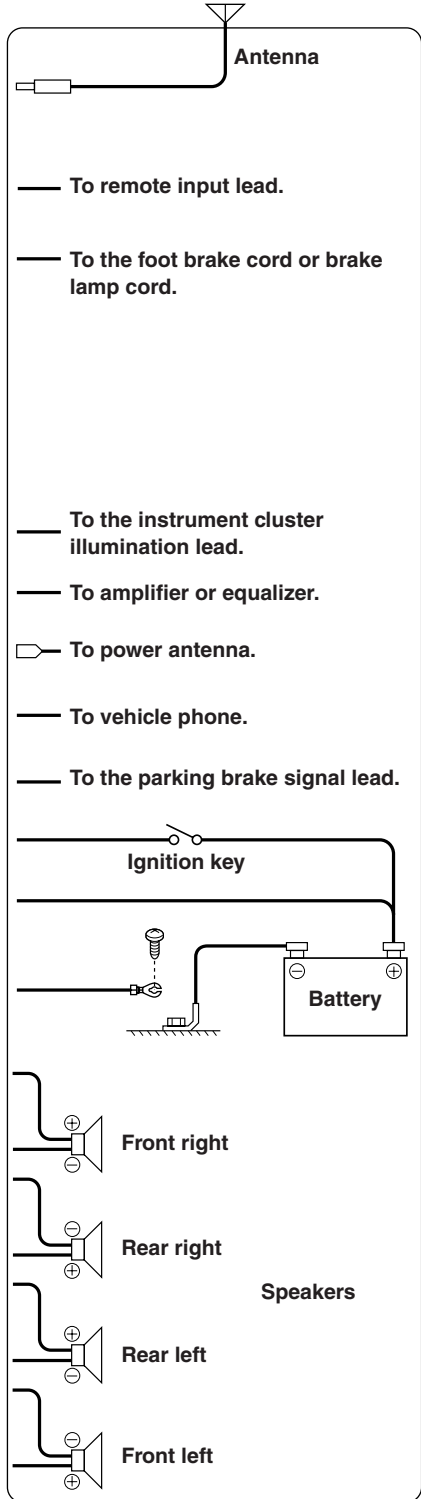
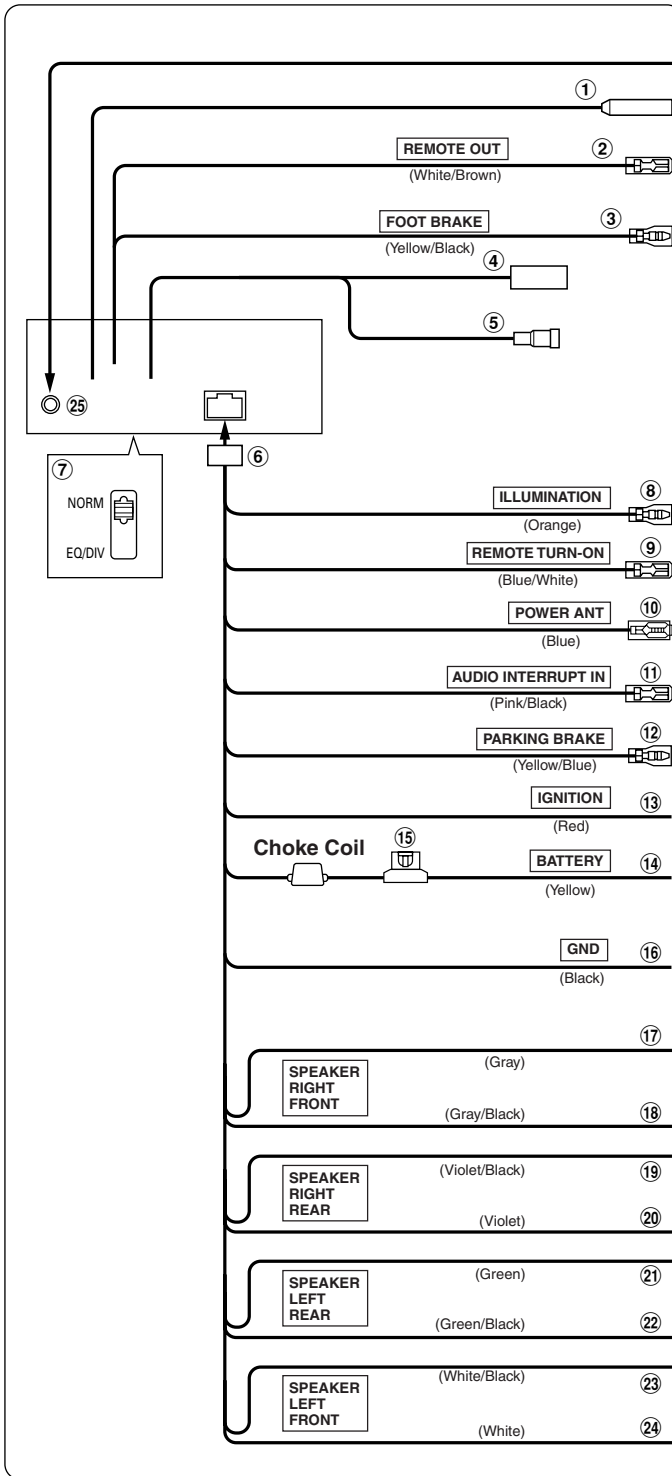


NOTE

If your vehicle has no ACC power supply, add an SPST (Single-Pole, Single-Throw) switch (sold separately). If the switched power (ignition) lead of the CVA-1004 is connected directly to the positive (+) post of the vehicle's battery, the CVA-1004 draws some current (several hundred milliamperes) even when its switch is placed in the OFF position and the battery may be discharged.

Installation and Connections

Basic Connections

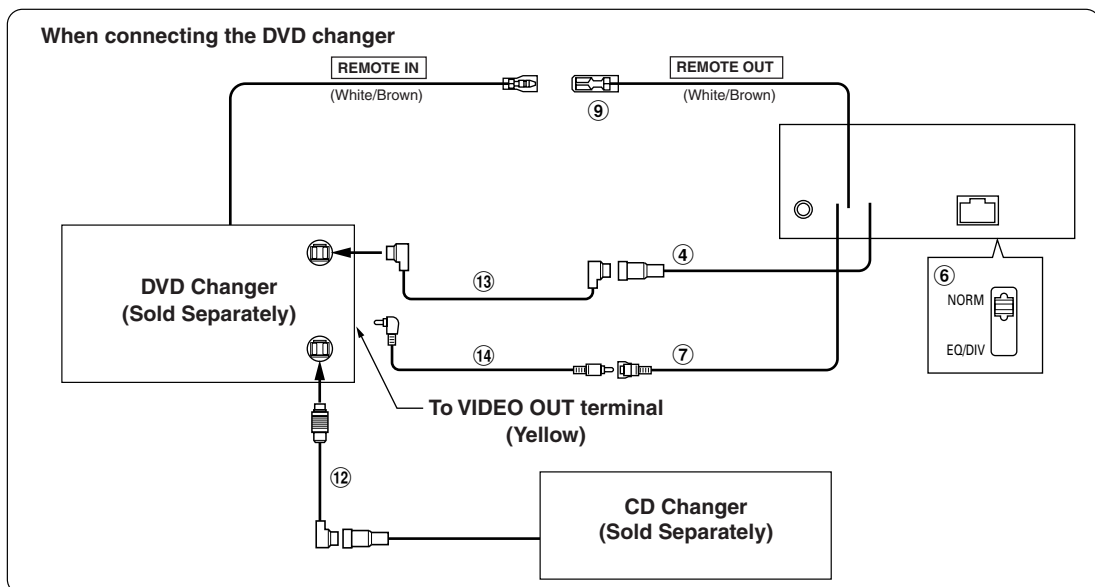
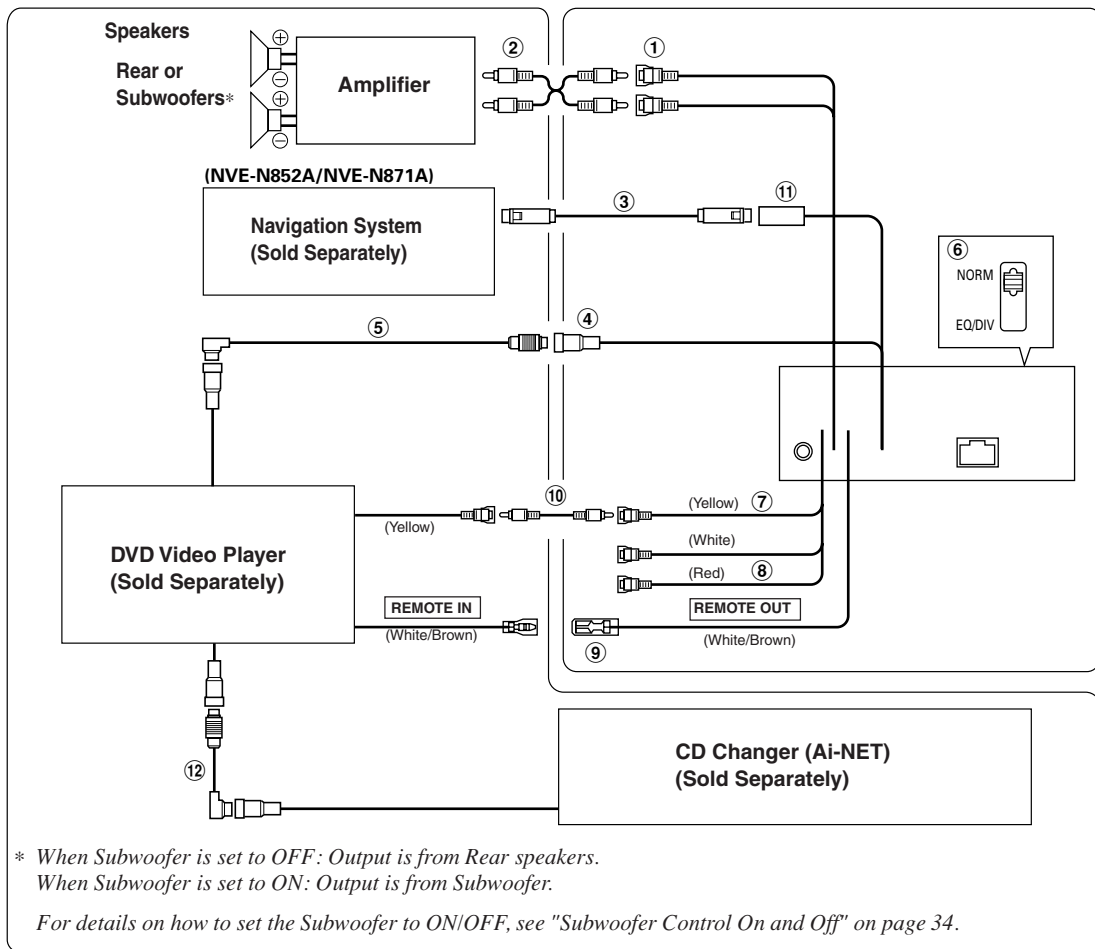


Installation and Connections

- ① Remote Control Interface Connector
Connect to the remote control interface box.
- ② Remote Control Output Lead (White/Brown)
Connect this lead to the remote control input lead. This lead outputs the controlling signals from the remote control.
- ③ Foot Brake Lead
Connect to the vehicle's foot brake lead or brake lamp lead.
- ④ RGB input Connector
- ⑤ Ai-NET Cable
- ⑥ Power Supply Connector
- ⑦ System Switch
When connecting an equalizer or divider using Ai-NET feature, place this switch in the EQ/DIV position. When no device is connected, leave the switch in the NORM position.
NOTE
Be sure turn the power off to the unit before changing the switch position.
- ⑧ Illumination Lead (Orange)
This lead may be connected to the vehicle's instrument cluster illumination lead. This will allow the backlighting of the CVA-1004 to dim whenever the vehicle's lights are turned on.
- ⑨ Remote Turn-On Lead (Blue/White)
Connect this lead to the remote turn-on lead of your amplifier or signal processor.
- ⑩ Power Antenna Lead (Blue)
Connect this lead to the +B terminal of your power antenna, if applicable.
- ⑪ Audio Interrupt In Lead (Pink/Black)
- ⑫ Parking Brake Lead (Yellow/Blue)
Connect this lead to the power supply side of the parking brake switch to transmit the parking brake status signals to the CVA-1004.
- ⑬ Switched Power Lead (Ignition) (Red)
Connect this lead to an open terminal on the vehicle's fuse box or another unused power source which provides (+) 12V only when the ignition is turned on or in the accessory position.
- ⑭ Battery Lead (Yellow)
Connect this lead to the positive (+) post of the vehicle's battery.
- ⑮ Fuse Holder (15A)
- ⑯ Ground Lead (Black)
Connect this lead to a good chassis ground on the vehicle. Make sure the connection is made to bare metal and is securely fastened using the sheet metal screw provided.
- ⑰ Right Front (+) Speaker Output Lead (Gray)
- ⑱ Right Front (-) Speaker Output Lead (Gray/Black)
- ⑲ Right Rear (-) Speaker Output Lead (Violet/Black)
- ⑳ Right Rear (+) Speaker Output Lead (Violet)
- ㉑ Left Rear (+) Speaker Output Lead (Green)
- ㉒ Left Rear (-) Speaker Output Lead (Green/Black)
- ㉓ Left Front (-) Speaker Output Lead (White/Black)
- ㉔ Left Front (+) Speaker Output Lead (White)
- ㉕ Antenna Receptacle

Installation and Connections

System Example 1: Refer also to Basic Connections.



Installation and Connections

- ① Rear/Subwoofer Output RCA Connectors
RED is right and WHITE is left.
- ② RCA Extension Cable (Sold Separately)
- ③ RGB Cable (Included with NVE-N852, not included with NVE-N871A)
- ④ Ai-NET Connector
Connect this to the output or input connector of other product equipped with Ai-NET.
- ⑤ Ai-NET Cable (Included with DVD video player)
- ⑥ System Switch
When connecting an equalizer or divider using Ai-NET feature, place this switch in the EQ/DIV position. When no device is connected, leave the switch in the NORM position.

NOTE

Be sure turn the power off to the unit before changing the switch position.

- ⑦ AUX Video Input (AUX1) Connector
Connect the video output lead of a DVD video player or DVD changer to this terminal.

- ⑧ AUX Audio Input (AUX1) Connectors
(not used for this system)
- ⑨ Remote Control Output Lead (White/Brown)
Connect this lead to the remote control input lead. This lead outputs the controlling signals from the remote control.
- ⑩ RCA Extension Cable (Included with DVD video player)
- ⑪ RGB Input Connector
Connect to the RGB output terminal of the navigation system.
- ⑫ Ai-NET Cable (Included with CD Changer)
- ⑬ Ai-NET Cable (Included with DVD Changer)
- ⑭ RCA Extension Cable (Included with DVD Changer)

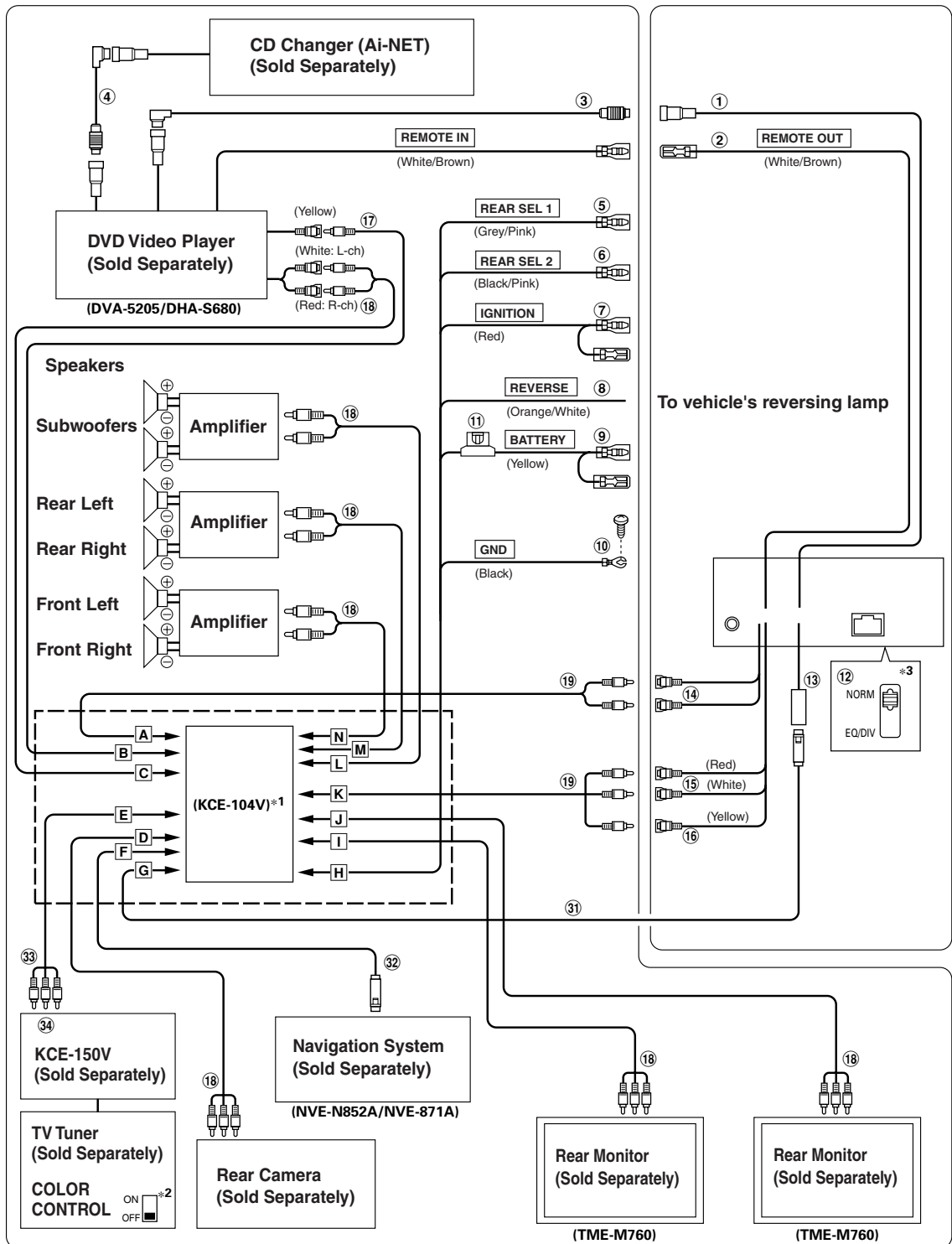
NOTE

When the NVA-N751AS is connected for the Navigation System, use the RGB conversion cable KWE-503N (sold separately).

Installation and Connections

System Example 2 (connecting to the optional KCE-104V):

Refer also to Basic Connections.



For details of each setting of external devices, refer to "Setting the External Expansion Box" (page 35), "Rear Monitor Setting" (page 36), "Setting the External Input" (page 37) and "Setting Front/Rear/Subwoofer Preout of the External Expansion Box" (page 37).

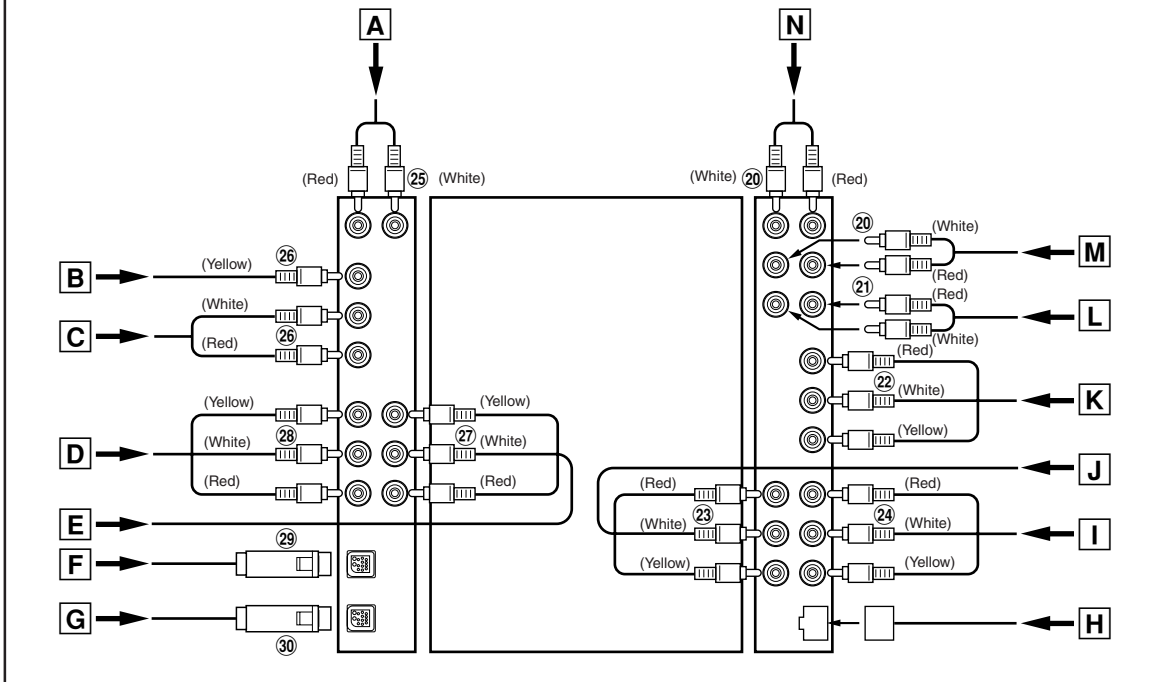
*1 Refer to the KCE-104V detail on page 53.

*2 Set the color control of TV Tuner to OFF.

*3 Be sure turn the power off to the unit before changing the switch position.

Installation and Connections

Detail of the expansion box KCE-104V (sold separately)



- ① **Ai-NET Connector**
Connect this to the output or input connector of other product equipped with Ai-NET.
- ② **Remote Control Output Lead (White/Brown)**
Connect this lead to the remote control input lead. This lead outputs the controlling signals from the remote control.
- ③ **Ai-NET Cable (Included with DVD video player)**
- ④ **Ai-NET Cable (Included with CD Changer)**
- ⑤ **Rear Select 1 Lead (Grey/Pink)**
Connect this lead to the ground with a push switch, etc.
- ⑥ **Rear Select 2 Lead (Black/Pink)**
Connect this lead to the ground with a push switch, etc.
- ⑦ **Switched Power Lead (Ignition) (Red)**
Connect this lead to an open terminal on the vehicle's fuse box or another unused power source which provides (+) 12V only when the ignition is turned on or in the accessory position.
- ⑧ **Reverse Lamp Signal Input Lead (Orange/White)**
Used to automatically switch to the rear camera input. Connect this lead to the positive side of the vehicle's reverse lamp. The video input will automatically switch to the rear camera whenever the vehicle is backing up.
- ⑨ **Battery Lead (Yellow)**
Connect this lead to the positive (+) post of the vehicle's battery.
- ⑩ **Ground Lead (Black)**
Connect this lead to a good chassis ground on the vehicle. Make sure the connection is made to bare metal and is securely fastened using the sheet metal screw provided.
- ⑪ **Fuse Holder (7.5A)**
- ⑫ **System Switch**
When connecting an equalizer or divider using Ai-NET feature, place this switch in the EQ/DIV position. When no device is connected, leave the switch in the NORM position.
- ⑬ **RGB Input Connector**
Connect to the RGB output terminal of the KCE-104V.
- ⑭ **Rear/Subwoofer Output RCA Connectors**
RED is right and WHITE is left.
- ⑮ **AUX Audio Input (AUX1) Connectors**
- ⑯ **AUX Video Input (AUX1) Connector**
- ⑰ **RCA Extension Cable (Included with DVD video player)**
- ⑱ **RCA Extension Cable (Sold Separately)**
- ⑲ **RCA Extension Cable (Included with KCE-104V)**
- ⑳ **To Front/Rear PREOUT Terminals of the KCE-104V**
- ㉑ **To Subwoofer Terminals of the KCE-104V**
- ㉒ **Connect to the AUX Input (AUX1) Connectors of the CVA-1004**
- ㉓ **To AUX1 Output Terminals of the KCE-104V**
- ㉔ **To AUX2 Output Terminals of the KCE-104V**
- ㉕ **To Sound Input Terminals of the KCE-104V (from the CVA-1004)**
- ㉖ **To AUX Input1 Terminals of the KCE-104V**
- ㉗ **To AUX Input2 Terminals of the KCE-104V**
- ㉘ **To AUX Input3 Terminals of the KCE-104V**
- ㉙ **Connect to the RGB Terminal of the Navigation System**
- ㉚ **Connect to the RGB Input Terminal of the CVA-1004**
- ㉛ **RGB Cable (Included with KCE-104V)**
- ㉜ **RGB Cable (Included with NVE-N852, not included with NVE-N871A)**
- ㉝ **RCA Extension Cable (Included with KCE-150V)**
- ㉞ **To Video Output Terminals**

LIMITED WARRANTY

ALPINE ELECTRONICS OF AMERICA, INC. AND ALPINE OF CANADA INC. ("Alpine"), are dedicated to quality craftsmanship and are pleased to offer this Warranty. We suggest that you read it thoroughly. Should you have any questions, please contact your Dealer or Alpine at one of the telephone numbers listed below.

●PRODUCTS COVERED:

This Warranty covers Car Audio/Visual Products and Related Accessories ("the product"). Products purchased in the Canada are covered only in the Canada. Products purchased in the U.S.A. are covered only in the U.S.A.

●LENGTH OF WARRANTY:

This Warranty is in effect for one year from the date of the first consumer purchase.

●LIFETIME TAPE HEAD WARRANTY:

All Alpine Car Audio analog tape heads excluding Video tape heads are warranted for life against manufacturing defects causing failure.

●WHO IS COVERED:

This Warranty only covers the original purchaser of the product, who must reside in the United States, Puerto Rico or Canada.

●WHAT IS COVERED:

This Warranty covers defects in materials or workmanship (parts and labor) in the product.

●WHAT IS NOT COVERED:

This Warranty does not cover the following:

- ① Damage occurring during shipment of the product to Alpine for repair (claims must be presented to the carrier).
- ② Damage caused by accident, abuse, negligence, misuse, improper connections, improper operation or failure to follow instructions contained in the Owner's manual.
- ③ Damage caused by act of God, including without limitation, earthquake, fire, flood, storms or other acts of nature.
- ④ Any cost or expense related to the removal or reinstallation of the product.
- ⑤ Service performed by an unauthorized person, company or association.
- ⑥ Any product which has the serial number defaced, altered or removed.
- ⑦ Any product which has been adjusted, altered or modified without Alpine's consent.
- ⑧ Any product not distributed by Alpine within the United States, Puerto Rico or Canada.
- ⑨ Any product not purchased from an Authorized Alpine Dealer.
- ⑩ Any product that has been determined to contain an excessive amount of dust or dirt and any product that contains other contaminants including liquid or foreign objects.

●HOW TO OBTAIN WARRANTY SERVICE:

- ① You are responsible for delivery of the product to an Authorized Alpine Service Center or Alpine for repair and for payment of any initial shipping charges. Alpine will, at its option, repair or replace the product with a new or reconditioned product without charge. If the repairs are covered by the warranty, and if the product was shipped to an Authorized Alpine Service Center or Alpine, Alpine will pay the return shipping charges.

- ② You should provide a detailed description of the problem(s) for which service is required.
- ③ You must supply proof of your purchase of the product.
- ④ You must package the product securely to avoid damage during shipment.

●HOW WE LIMIT IMPLIED WARRANTIES:

ANY IMPLIED WARRANTIES INCLUDING FITNESS FOR USE AND MERCHANTABILITY ARE LIMITED IN DURATION TO THE PERIOD OF THE EXPRESS WARRANTY SET FORTH ABOVE AND NO PERSON IS AUTHORIZED TO ASSUME FOR ALPINE ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF THE PRODUCT.

●HOW WE EXCLUDE CERTAIN DAMAGES:

ALPINE EXPRESSLY DISCLAIMS LIABILITY FOR INCIDENTAL AND CONSEQUENTIAL DAMAGES CAUSED BY THE PRODUCT. THE TERM "INCIDENTAL DAMAGES" REFERS TO EXPENSES OF TRANSPORTING THE PRODUCT TO THE ALPINE SERVICE CENTER, LOSS OF THE ORIGINAL PURCHASER'S TIME, LOSS OF THE USE OF THE PRODUCT, BUS FARES, CAR RENTALS OR OTHERS COSTS RELATING TO THE CARE AND CUSTODY OF THE PRODUCT. THE TERM "CONSEQUENTIAL DAMAGES" REFERS TO THE COST OF REPAIRING OR REPLACING OTHER PROPERTY WHICH IS DAMAGED WHEN THIS PRODUCT DOES NOT WORK PROPERLY. THE REMEDIES PROVIDED UNDER THIS WARRANTY ARE EXCLUSIVE AND IN LIEU OF ALL OTHERS.

●HOW STATE/PROVINCIAL LAW RELATES TO THE WARRANTY:

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state and province to province. In addition, some states/provinces do not allow limitations on how long an implied warranty lasts, and some do not allow the exclusion or limitation of incidental or consequential damages. Accordingly, limitations as to these matters contained herein may not apply to you.

●IN CANADA ONLY:

This Warranty is not valid unless your Alpine car audio product has been installed in your vehicle by an Authorized Installation Center, and this warranty stamped upon installation by the installation center.

●HOW TO CONTACT CUSTOMER SERVICE:

Should the product require service, please call the following number for your nearest Authorized Alpine Service Center.

U.S.A.	1-800-ALPINE-1 (1-800-257-4631)
CANADA	1-800-ALPINE-1 (1-800-257-4631)

